

## Source Material for 2012 Samsung Air Conditioner

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### VOC Registration

- <http://mnet.samsung.com> -> Product information -> help -> voc
- VOC type : marketing contents -> air conditioner -> catalog



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2012 SAMSUNG

# AIR CONDITIONER ICONS

Samsung air conditioners offer advanced performance of cooling.

## Energy Efficiency



**Smart inverter**  
Save energy with World Top Class EER



**Zero Standby Power**  
Save energy whether on or off



**Smart Saver**  
Enjoy worry-free fresh cooling.

## Clean and Fresh Air



**S-Plasma ion (Virus Doctor)**  
Breathe healthier air



**Full HD filter**  
Block up to 90% of Dust



**Wide Twin Blade**  
Effective cooling even in larger areas



**Deodorizing Filter**  
Efficiently absorbing all odors



**Catechin Filter**  
Catechin deactivates captured bacteria and unpleasant odors



**Allergy Care**  
Eliminate allergy causing agents



**Anti-bacteria Coating**  
Effective Blocking up of bacteria



**Auto Clean**  
Keeping the air conditioner clean and dry



**Natural Breeze**  
Provide with natural fresh air

## Comfort



**d'light Cool**  
Enjoy optimal comfort



**good'sleep**  
Sleep like a baby



**Turbo Cooling**  
Instantly cool your space



**Dehumidification**  
Remove humidity in air



**Quiet Operation**  
Relax with peace and quietness



**Auto Mode**  
Automatically adjust operation mode (cooling/heating) and fan speed according to the setting temperature



**Fan Mode**  
The fan circulates the air in the room

## Durability



**Engine Protector**  
Compressor prevention from being overload



**Controller Protector**  
Withstand power fluctuation from 80V to 450V



**Fin Protector**  
Long lasting anti-corrosion fin



**Twin BLDC**  
Extremely reduce vibration up to 40%



**BLDC**  
High performance with low vibration

## Convenience



**Smart wi-fi**  
Control your cool anytime anywhere.



**Multi Channel Condenser**  
Achieve high efficiency through innovation



**Filter Cleaning Indicator**  
Notification of when the filter need to be cleaned



**Indoor Temp. Display**  
Display the indoor temperature



**Display On/Off**  
The display of LCD screen appears or disappears



**Beep On/Off**  
Beeping sound turns on or off



**Real-time timer**  
Time setting in a fractional time unit



**24-Hour timer**  
Timer setting in the period of 1 hour to 24 hours



**Auto Air Direction (Up/Down)**  
The fan automatically moves up and down



**Auto Air Direction (Left/Right)**  
The blade moves left and right



**Manual Air Direction (Left/Right)**  
Manual adjusting of air flow direction



**Auto Restart**  
Restart automatically at the set point



**Auto Changeover**  
Selecting automatically operating mode (cooling/heating) according to the temperature

Learn more about Samsung air conditioners at: [www.samsung.com](http://www.samsung.com)

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2012 Samsung air conditioners

# 2012 SAMSUNG AIR CONDITIONERS

The fresh and clean air of Samsung air conditioners ease your mind and comfort your body.



## Smart Appliances that get you and your home

A smooth-running home is a source of great pleasure for modern moms, but maintaining a home also entails hard work. 'Traditional' home appliances help to ease the physical burden of household management but the mental burden of planning and organizing are still on mom's shoulders.

Samsung is revolutionizing the home appliances category, drawing on the expertise that we have developed in categories such as mobile phones and TVs to add smart technology into appliances. **Samsung Smart Appliances get you and your home.**

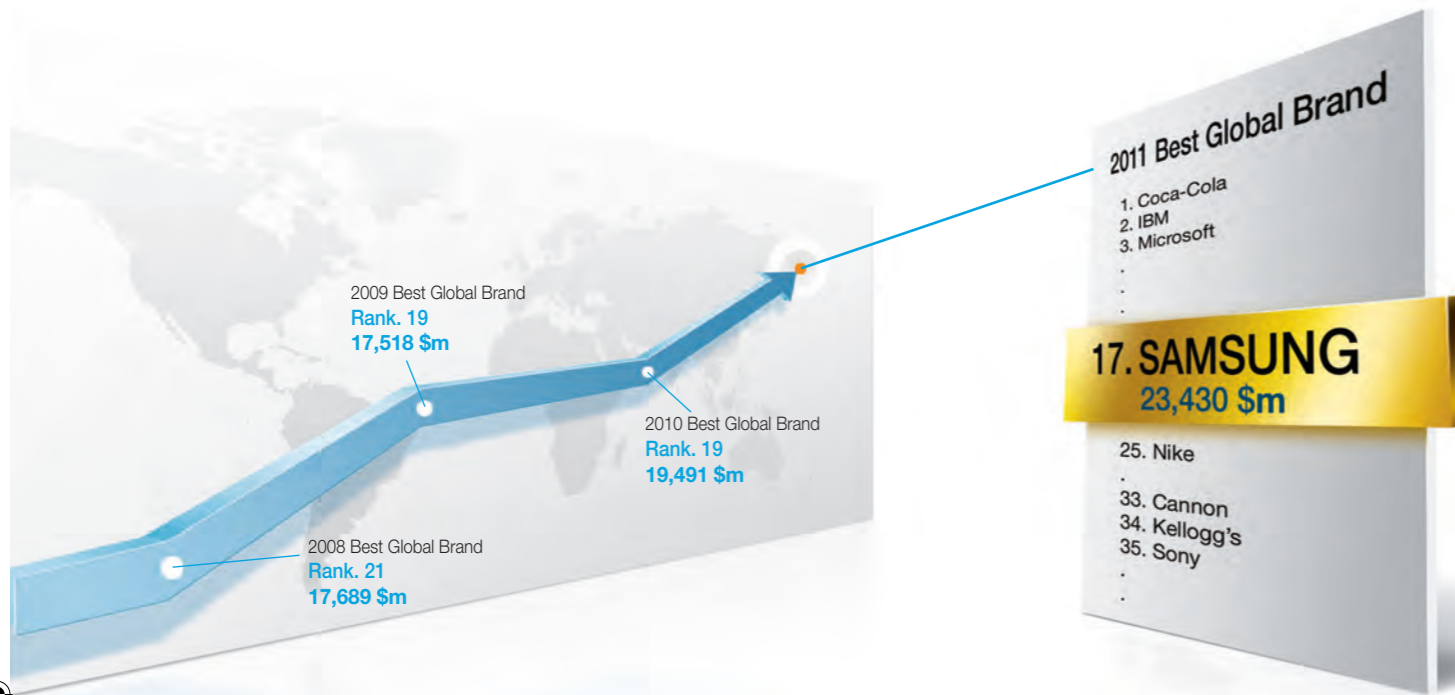
Assuming human characteristics, Samsung Smart Appliances anticipate mom's needs and adapt to her requirements to ease the mental as well as the physical burden of maintaining a smooth-running home.



## Samsung is moving ahead and with our customers

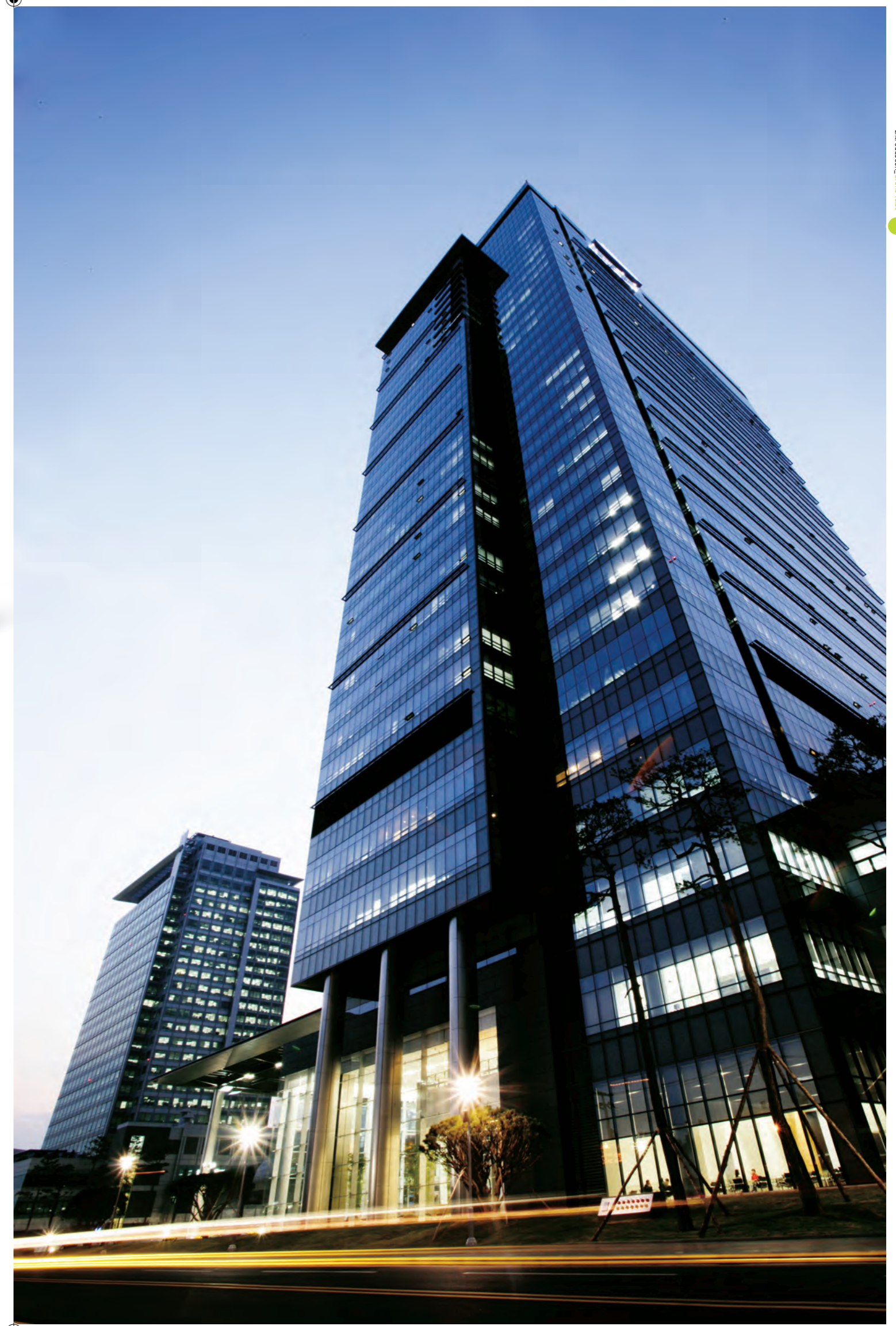
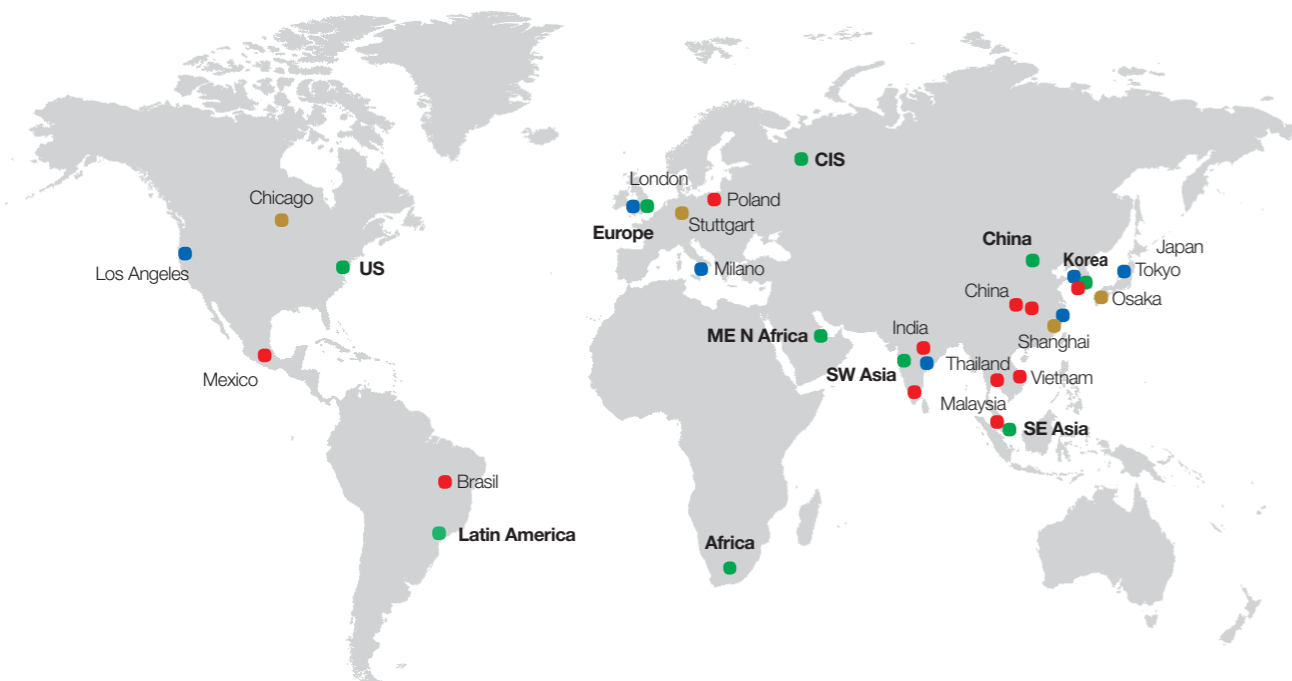
"Put simply, our differentiation is centered on producing innovative technology that brings genuine change to people's lives. We do this by bringing a relentless focus on consumer experience and product innovation in everything we do."

- Sue Shim CMO (Chief Marketing Officer), SAMSUNG



## Global Business Network

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



## '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 environment-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 cyclopentane insulation in its refrigerators not to promote greenhouse effect and thus to prevent global warming. Samsung's water-efficient washing machines also effectively operate with less detergent and water to conserve nature.

## Samsung Eco-Friendly Air Conditioner

Making continuous efforts to stay eco-friendly, Samsung air conditioners use R-410A, an environment-friendly refrigerant to help rid the air of pollutants and restrain the use of materials with high global warming potential(GWP). These energy-efficient air conditioners not only save you money, but help conserve the environment.



### Global Recycling

Samsung Electronics has taken a leading role in saving the environment and complies with the WEEE (Waste Electrical and Electronic Equipment) Directive by joining or establishing the recycling schemes for each country.



### Use Less, Save More

Samsung washers with its ceramic heaters use less power which saves you energy, money and time. This energy-efficient technology protects you and nature for your greener life style.



Galeria de Innovacion 2009	iF Product Design Award 2009	Comfort & Design 2010	Good Design Award 2011
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.	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 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.	Organized by Fiera Milano International, 37th Mostra Convegno Expocomfort / Expobagno 2010 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 .	Good Design Award is a comprehensive program for the evaluation and encouragement of design organized by Japan Institute of Design Promotion (JDP). This has been a program advancing lifestyle and industrial activity by selecting outstanding design. Samsung air conditioner , Y series, has advanced to the finals for the year 2011.

# 2012 SAMSUNG AIR CONDITIONERS Contents

- INTRODUCTION 4p
  - BRAND VALUE
  - ECO FRIENDLY AWARDS
- EXPERTISES 10p
  - ENERGY EFFICIENCY
  - CLEAN AND FRESH AIR
  - COMFORT
  - DURABILITY
  - CONVENIENCE
- SPLIT TYPE 42p
  - K SERIES (Jungfrau Flagship)
  - Y SERIES (Jungfrau Premium)
  - P SERIES (Maldives)
  - T SERIES (Boracay)
  - CRYSTAL MAX
- WINDOW TYPE 56p
  - SPECIALITIES
  - MEXICO / SOUTH AMERICA LINE UP
  - CIS LINE UP
  - MIDDLE EAST / AFRICA LINE UP
  - SOUTHEAST ASIA LINE UP
- FLOOR STANDING TYPE 68p
  - ROSE
  - SUPER
  - MIRAGE
  - WALTZ
- SPECIFICATIONS 78p
  - EUROPE
  - CIS
  - AMERICA
  - SOUTHEAST ASIA
  - MIDDLE EAST
  - AFRICA
  - SOUTHWEST ASIA

01

Expertises

# Energy Efficiency

Save on Your Electricity Bill.

Smart Inverter

Zero Standby Power

Smart Saver



More Savings!

# Smart Inverter



Save energy with World Top Class EER

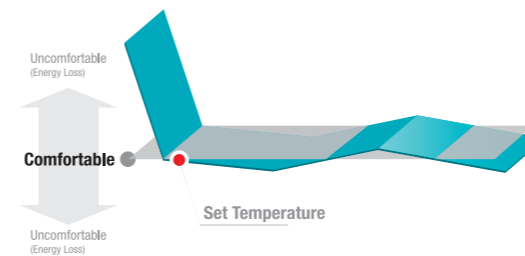


## What is the Smart Inverter?

Samsung Smart Inverter technology saves energy while the air conditioner is on by maintaining the ideal temperature without constant shutting off and on of the compressor.

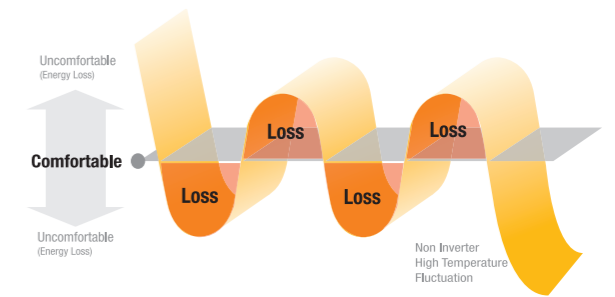
### Smart Inverter

Smart Inverter technology automatically adjusts power to cope with any temperature variances, assuring you have optimal comfort.



### Non-inverter

Non-inverter air conditioners are continuously shutting down when it reaches the set temperature, which causes large fluctuations in temperature and comfort.



## Save energy, money, and stay cool!

The Smart Inverter allows you to stay comfortable for a long period of time while using the least amount of energy.

### Save Energy



Enhanced control of the Smart Inverter reduces energy consumption so you can save more money on your electricity bill.

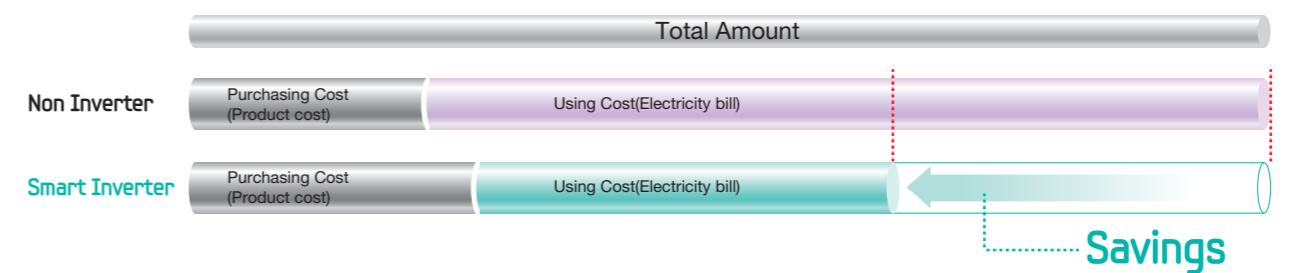
### Stay Comfortable



The set temperature is maintained without extreme temperature fluctuations so you stay consistently comfortable.

## Save more with the Smart Inverter

Although the unit price of Smart Inverter air conditioner is initially higher than a non-inverter air conditioner, it pays for itself in time with the money you save on electricity bills.





# Zero Standby Power

**ZERO** Save energy whether on or off



## Double savings

A Smart Inverter Air conditioner helps you save energy twice, once while the air conditioner is on and again when it's off.



### World Top Class EER 5.2, save your energy

With increased control technology, Samsung air conditioner helps you significantly reduce wasted energy. It has achieved World Top class EER by saving up to 80% in energy usage.

**Samsung EER / COP 5.2 / 5.2**

\* K Series 9k Btu

### Greatest energy efficiency!

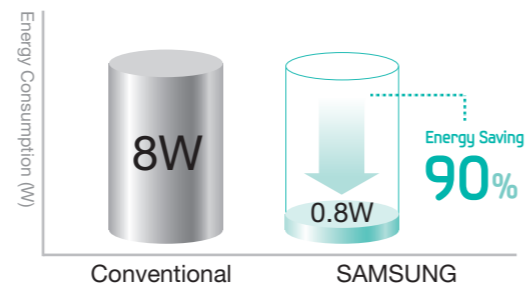
You'll be amazed by the comparison. Samsung's air conditioner receives the World Top Class EER for high energy efficiency.

Samsung EER/COP 5.2/5.2	Competitor A EER/COP 5.0/5.1	Competitor B EER/COP 5.15/5.25



### Zero Standby Power, save up to 90%

The improved control board installed in the Samsung air conditioner uses miniscule amounts of energy when the air conditioner is off, resulting in 90% more energy savings than conventional air conditioners.



### Bigger savings, greater comfort

With the energy saved by using Zero Standby Power for a month, you can power up other home appliances for FREE!

# Smart Saver

**Smart Saver** Enjoy worry-free fresh cooling



## Save up to 31% on your electricity bill!

In Smart Saver mode, the air conditioner's compressor operates in the least amount of time to cool the room, which saves electricity. With the Smart Saver, stop worrying about your electricity bill and enjoy its convenience.

Up to **31%** Savings!

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

\*Outdoor temperature at 30 degree  
\*Samsung test results

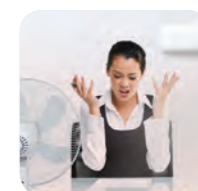
## This is when you need Smart Saver!



When you repeatedly turn the air conditioner on and off to save energy.



When you don't want to waste energy cooling an empty room.



When you debate turning on the air conditioner because its not unbearably hot.

## Preserve nature with Samsung!

With the innovative Smart Saver function, users can significantly save energy and money . Feel proud of that you are doing your part in preserving the environment by using an energy-efficient product.

02  
Expertises

# Clean and Fresh Air

Take A Deep Breath.

S-Plasma ion  
Full HD Filter

# S-Plasma ion (Virus Doctor)



Breathe healthier air



## What is S-Plasma ion?

An amazing air purifying technology, 'S-Plasma ion', neutralizes all harmful contaminants in the air including bacteria that resists physical filtration, turning these contaminants into harmless water vapor.



S-Plasma ion has received three awards, gaining recognition both at home and abroad.



2010 AHR EXPO  
Innovation Awards in the  
indoor air-quality category



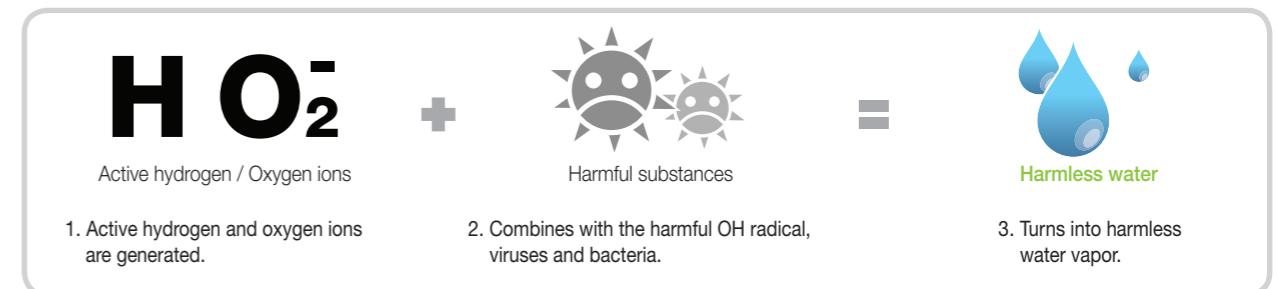
1st Air Day  
Minister of the  
Environmental Award



Winner of the  
Jang Young Sil  
Award

## How does S-Plasma ion eliminate biological contaminants?

Whereas conventional filter-based purifying systems can only affect processed air, Samsung air conditioners with S-Plasma ion proactively remove all contaminants, thus improving air quality.



## 19.16m<sup>3</sup> superb coverage

The S-Plasma ion purifies over 19.16m<sup>3</sup> of space unlike its competitors. So, you can rely on clean, safe air even in large spaces.

Competitor	Samsung S-Plasma ion
4 m <sup>3</sup>	19.16 m <sup>3</sup>

\*Samsung test results



## Certification status

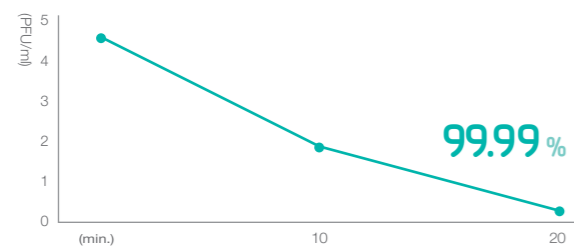
	Substances	Effectiveness	Verification Institute
Virus	Influenza A virus subtype H1N1 (Swine flu)	99.99% eliminated	Chungnam National University (Korea)
	Influenza A virus H5N1 (Avian influenza)	99.99% eliminated	Retroscreen (UK)
	Influenza A virus H1N1 (Spanish influenza)	99.6% eliminated	Kitasato Environmental Science Center (Japan)
	Influenza A virus H3N2 (Asian influenza)	99.6% eliminated	Yonsei University (Korea)
	Corona Virus (the same family as SARS)	99.6% eliminated	Kitasato Medical Center (Japan)
Bacteria	MRSA <sup>1)</sup>	99.99% eliminated	Kitasato Medical Center (Japan)
	Staphylococcus	99.97% eliminated	Kitasato Environmental Science Center (Japan)
	Escherchia coli	99.9% eliminated	Korean Consuming Science Research Center (Korea)
	Micrococcus	99.9% eliminated	Kitasato Environmental Science Center (Japan)
	Bacillus subtilis	99.7% eliminated	Kitasato Medical Center (Japan)
mold	Aspergillus	99.9% eliminated	Korean Consuming Science Research Center (Korea)
	Penicillium	99.9% eliminated	Korean Consuming Science Research Center (Korea)
	Cladosporium	98.9% eliminated	Kitasato Environmental Science Center (Japan)
Allergen	Der p1 (Dust mites)	effective	Acquire BAF <sup>2)</sup> Seal (UK)
	Fel d1/Can f1 (Dog/cat hair)	effective	RTI <sup>3)</sup> Test (US)
	Allergen	effective	RTI <sup>3)</sup> Test (US)
OH-Radicals	Neutralization of OH Radicals	Verified	Hiroshima University (Japan)
Safety	Inhalation Toxicity Test	Non-toxic	Seoul Toxicology Laboratory (Korea)
	Conjunctiva & Skin irritation Test	Non-toxic	Clinical Research Institute at Seoul National University (Korea)

1) MRSA : Methicillin-Resistant Staphylococcus Aureus (Antibiotic-resistant nosocomial pathogens)  
 2) BAF : British Allergy Foundation (Certification institute)  
 3) RTI : Research Triangle Institute (Allergy research institute in the US)

## Healthy Air \_ Eliminate the influenza virus

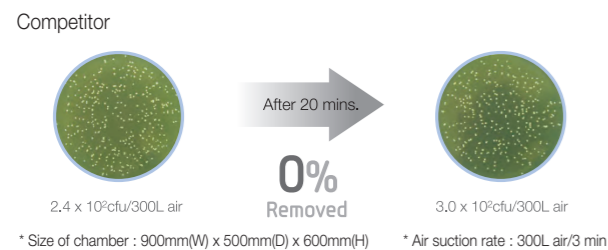
Viral removal testing was carried out on the influenza virus, the most common airborne virus, leading to confirmation of S-Plasma ion's ability to effectively eliminate more than 99% of influenza viruses in the air. (Certification by: Korea-Yonsei University, Chungnam National University / Japan - Kitasato Environmental Science Center, Medical Center)

### Influenza subtype A H1N1 eradication experiment



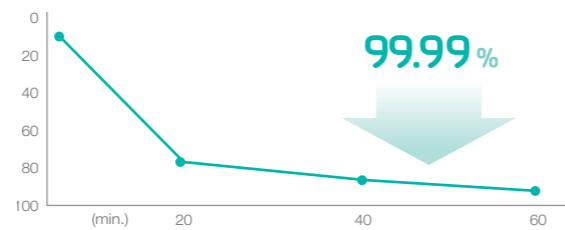
\* Research carried out by : Professor Seo Sang-hui of Chungnam National University (Developed the world's first H1N1 vaccine for the human body)

### Microbial test results (Staphylococcus aureus)



### MRSA (Antibiotic-resistant bacterium)

S-Plasma ion removes 99.99% of MRSA, which is resistant to antibiotics.



\* Testing institute : Kitasato Environmental Science Center  
 \* Measurement time : 2 hours \* Test sample : Device only \* Size of chamber : 1m<sup>3</sup>



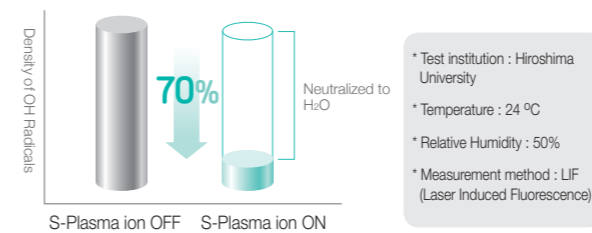
## Clean Air \_ Remove allergens in the air



## Relaxing Air \_ Generate relaxing oxygen ions

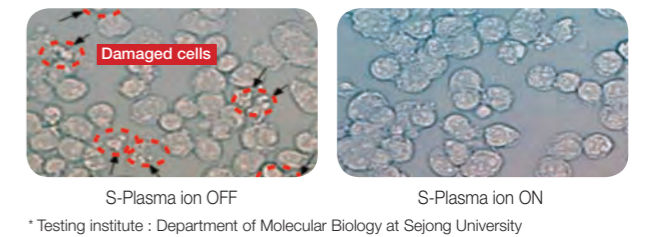
### Neutralization of OH Radicals with the S-Plasma ion

S-Plasma ion substantially reduces the level of concentration of OH Radicals, which cause aging and various skin diseases.



### OH Radical neutralization effects

Results of observing cells exposed to OH Radicals indicate that S-Plasma ion neutralizes OH Radicals and reduces cell damage.



\* Research paper on neutralizing OH Radicals (September 6, 2005, France)  
 \* 7th Colloquium ASA (Atmospheric Spectroscopy Applications) \* Atmospheric observation of OH Radical reactions with Atomic Hydrogen produced in Plasmas by LIF

### What is an OH Radical?

An OH Radical has the strongest level of oxidizing power among oxygen free radicals and is known to cause skin damage and various degenerative diseases. This harmful substance generates compounds that have adverse effects on the human body as it reacts with harmful substances in the air such as VOCs (Volatile Organic Compounds).

### Free from harmful positive ions

As positive ions can cause symptoms such as difficulty in breathing, headache, and nausea, Samsung's special S-Plasma ion technology generates nearly zero harmful positive ions to keep your family safe.



### Free from ozone

S-Plasma ion technology produces virtually no ozone, an air pollutant with harmful effects on the respiratory system. Producing less than 1/5th of the concentration level stipulated in international indoor ozone regulations, S-Plasma ion technology lets you breathe easy.

# Full HD filter



Block up to 90% of dust

**FULL HD FILTER**

Dust Collection up to **90%** \*K / Y series

---

Conventional Filter

Dust Collection up to **40%**

## Full HD filter types

There are three different types of Full HD Filters. The ultra-compact filters remove even the smallest dust particles. Also the anti-bacteria coating and allergy care system not only remove bacteria and house dust but also eliminate allergens.

	Conventional	Full HD Filter		
		Full HD 60	Full HD 80	Full HD 90
X 40				
X 150				
Application Model		Max	P, T Series / Crystal	K, Y Series
Filament Dia.	211	134	60	57
Dust Collection	40%	60%	80%	90%
Feature		Anti-Bacteria coating		Allergy Care

Anti-Allergy tested by National Food analysis center of Japan

## Easier and care-free filter cleaning!

All you need to do is simply wash out the dirt with flowing water to clean the filter. Always keep your air clean and fresh with simple and easy care of the filter.

## Anti-bacteria coating

Due to the anti-bacteria coating's unique structure, this filter collects even the smallest microscopic dust particles and viruses for the complete protection.



## Allergy care

Samsung's filter removes not only bacteria and dust particles but also reduces allergy symptoms.



## Double Cleaning

Samsung enhanced purifying system with advanced filter and smart S-Plasma ion. S-Plasma ion further cleans the air that has already been filtrated by the Full HD Filter to ensure a fresher and healthier environment.

### STEP 1.

## FULL HD FILTER

Samsung's high density filter blocks out dust and allergy-causing bacteria.



### STEP 2.

## S-Plasma ion

The air purifying device eliminates 99% of contaminants, bacteria and viruses in the air.

03

Expertises

# Comfort

Relax & Feel Better.

d'light cool

Wide Twin Blade (3D wind)

good'sleep

Turbo Cooling

Quiet Operation

# d'light cool

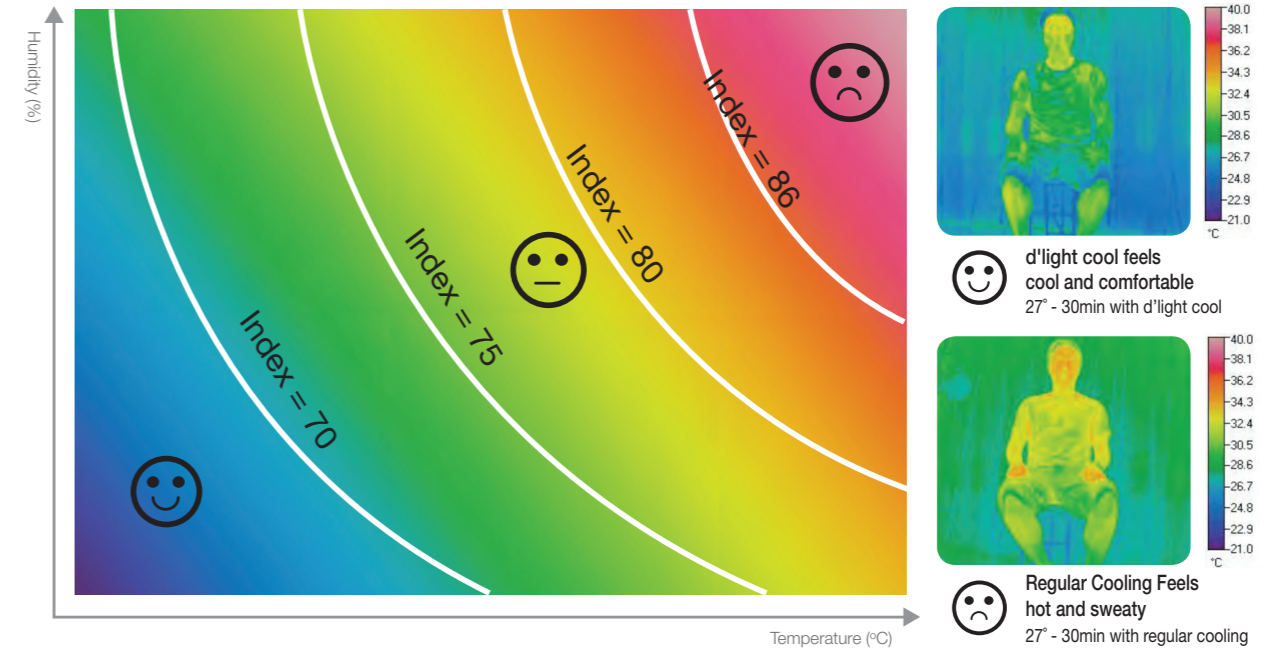


Enjoy optimal comfort



## Optimum temperature for best comfort

People can feel comfort or discomfort even at the same temperature due to the varying level of humidity in the air. Samsung's d'light cool system automatically checks the current humidity and temperature and adjusts for the most pleasant environment.



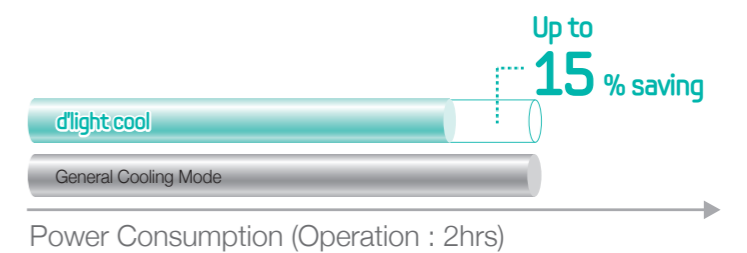
## How d'light cool works

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



## No more wasteful cooling

1. Accurately measure humidity & 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.



# Wide Twin Blade



Effective cooling even in larger areas

## 120° wider coverage

Samsung's Wide Twin Blade expands air coverage to 120 degrees. This improved distribution lets you feel comfortable faster.



Wider Heating / Cooling

\*Samsung test results

## 90° vertical airflow

Samsung's Wide Twin Blade individually controls the airflow at optimum angles. The double layered blade provides long range airflow to deliver heating or cooling for larger spaces.



Direct Heating / Cooling

\*Samsung test results

## 13m long range cooling

With long-range air flow that reaches to 13m, you can feel cool air instantly even though you are far from the air conditioner.



Long Range Cooling Coverage

\*Samsung test results

## 3D Wind

With Samsung's Wide Twin Blade, the air flows throughout the room evenly. The wider and longer blades provide advanced airflow in the room allowing you to experience a cooler environment in a shorter time.



### 120° wider coverage

The airflow covers 120° angle for complete comfort.



### 90° vertical airflow

Two blades individually flows air down to the floor at 90°.



### 13m long range cooling

The air distributes further throughout the room with long-range airflow.

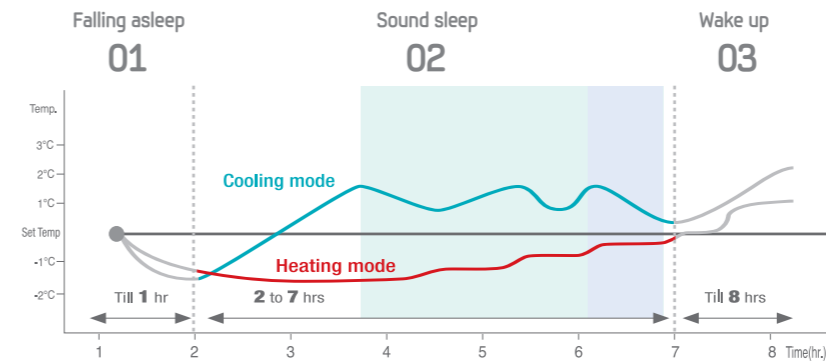
# good'sleep



Sleep like a baby



## Best temperature for deep sleep



### 01 Falling asleep stage

Eases you into sleep by dropping the temperature.

### 02 Sound sleep stage

Relaxes your body and raises your temperature slightly.

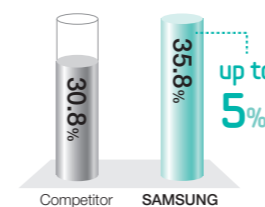
### 03 Wake up stage

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

## Everything improved!

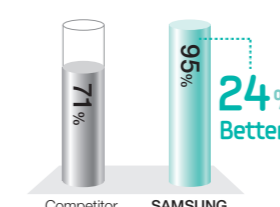
### Sleep efficiency

The good'sleep mode increases sleep efficiency compared with competitors.



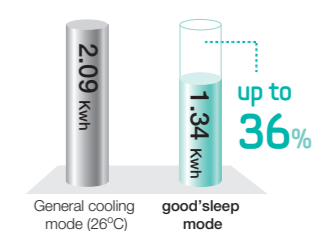
### Pleasant skin temperature

The temperature setting of good'sleep maintains pleasant skin temperature, keeping you more relaxed and comfortable.



### Energy saving

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





# Turbo Cooling

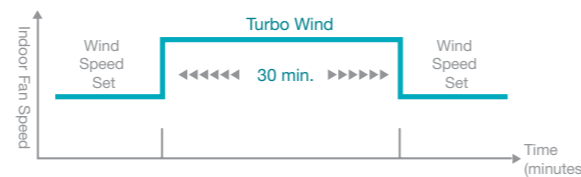


Instantly cool your space



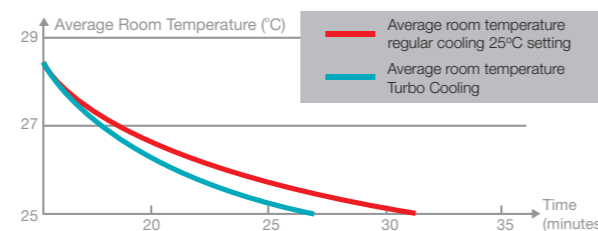
## Maximum cooling!

When you turn on the Turbo Cooling mode, the compressor operates in its maximum speed for 30 minutes to cool down your space quickly.



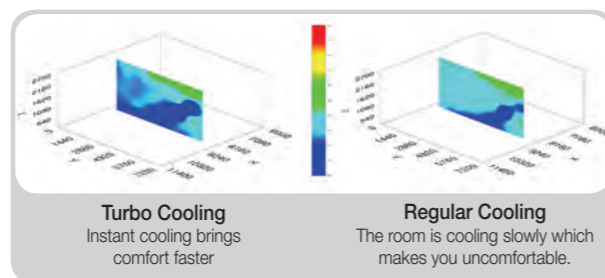
## Cool down faster than ever

Compared to normal operation mode, Turbo Cooling cools the space 15% faster. When you need instant cooling, Turbo Cooling is the perfect answer.



## Even cooling

Illustrated in the table on the right, Samsung's cool air evenly distributes throughout the room quicker than regular cooling.



**Turbo Cooling**  
Instant cooling brings comfort faster

**Regular Cooling**  
The room is cooling slowly which makes you uncomfortable.

\* More blue means better cooling operation.

# Quiet Operation



Relax with peace and quietness

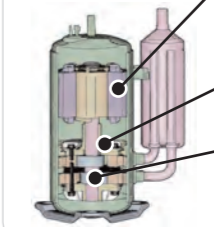


## Immensely low vibration with twin BLDC

The highly efficient twin BLDC compressor extremely reduces vibration by 40% when compared to the conventional single BLDC compressor.

### BLDC (Twin Rotary) Compressor

- 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



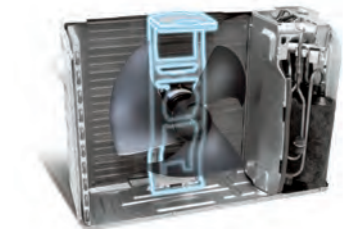
## More stable fan spin

New fan hub's depth is increased from 90 mm to 119mm and the diameter is widened by 32%. The reinforced fan hub makes the spinning more stable, reducing vibration noise when the air conditioner is in operation.



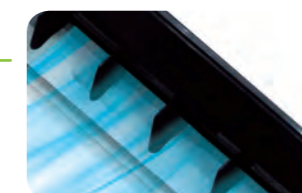
## Stronger body pillar

Once the air conditioner is turned on, the outdoor unit's case makes a high level of noise due to vibration and loose jointed parts. Samsung's strengthened body pillar holds the case more tightly to inhibit vibration and adds durability.

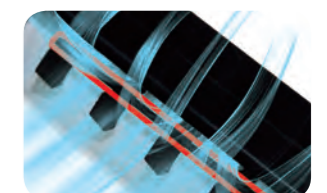


## Seamless airflow

The air conditioner's air path has been widened and streamlined to reduce air friction. This reduces the whizzing sound without compromising powerful blasting wind.



SAMSUNG



Conventional

04  
Expertises

# Durability

No Sweat, No Worries.

- Triple Protector
- Stabilizer Free Operation
- UTR Plus™



# Triple Protector



Enjoy steady and stable cooling with ultimate durability

## Triple Protector



Ultimate Compressor



Engine protector

Advanced Volt control



Controller protector

Anti-Corrosion



Fin protector

Upgrade 2012

## How to work

Samsung's integrated protection technology offers better durability and reliability. Its powerful cooling system (Engine Protector), constant volt control (Controller Protector), and effective anti-corrosion coating (Fin Protector) allow you to have perfectly fresh cooling air for a longer period of time.



### 1 Engine protector

Samsung's distinctive engine protector prevents compressor from being overloaded by unstable electricity circumstances, so you can always rely on having a cooled room evenly.

Item	SAMSUNG	Competitor
Compressor Protection	Up to 140 V	Up to 170 V

### 2 Controller protector

Samsung's advanced controller adjusts to avoid breakdowns from unstable power supplies. This special technology withstands power fluctuations from 80V to 450V, so you always have unbeatable coolness regardless of circumstances.

Item	SAMSUNG	Competitor
Controller Protection	From 80 V to 450 V	Up to 400 V
Smart Protection	Yes	No

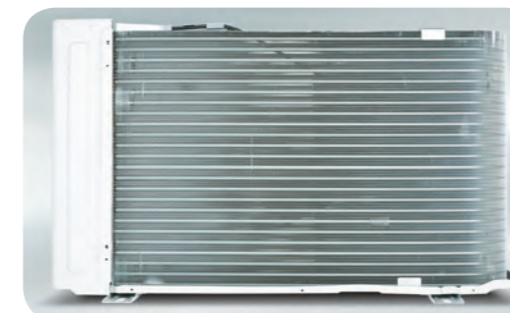


Upgraded mode  
**'Smart Protection'**

It checks the voltage level after protection from unstable voltage fluctuation. When voltage fluctuation is stable, Smart Protection mode re-starts the Samsung air-conditioner automatically. There's no need to restart manually.

### 3 Outstanding anti-corrosion protector

Anti-corrosion fin condenser and MCC are designed with strong corrosion-resistant material to protect itself from rusting. This fin strongly protects the condenser from corrosion to give you cool and clean air without worries of being worn.



Samsung's anti-corrosion fin



Conventional

## Stabilizer-Free Operation



Works without a stabilizer



### "Built-in" stabilizer !

The Stabilizer Free air conditioner improves the look of your home since you don't need to install a separate stabilizer.



### Exceptional comfort with powerful air

Samsung Built-in Stabilizer gives you fresh, powerful air in any circumstance. This air conditioner with built-in stabilizer regulates voltage stability to withstand even severe fluctuations and power outages.



### Built-in stabilizer saves money

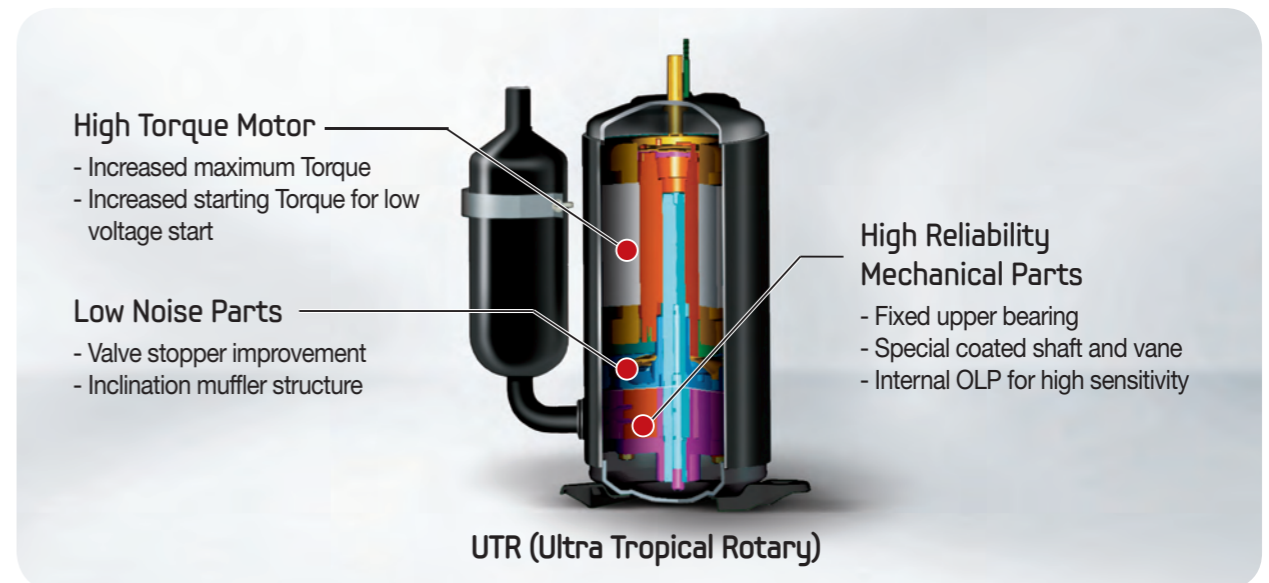
Since you don't need to invest in a separate stabilizer, Samsung Built-in Stabilizer helps save money.



## UTR Plus™

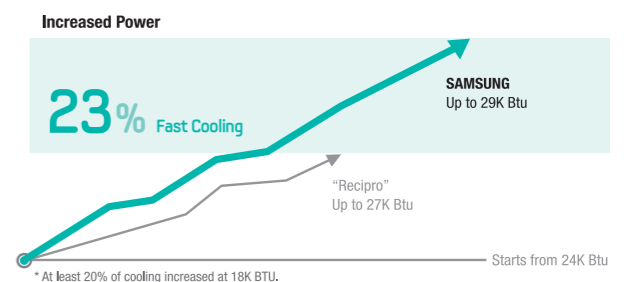


Powerful cooling even at 54°C



### Consistent cooling in any kind of weather

The UTR Plus™ with its strong motor can quickly cool the air even in extreme hot climates of 54°C, and it is 23% faster than the conventional "Reciprocating" compressor.



### Long-lasting coolness without breakage

Samsung's UTR Plus™ compressor extends its lifespan by enhancing its welding method with new durable material, so you can enjoy its powerful performance for a longer period 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

### Certifications for reliability and performance

Samsung UTR Plus™ received many certifications which prove its outstanding reliability and strong performance, ensuring your satisfaction and comfort.



Certified by Maryland CEEE  
(Max 9% higher EER than Reciprocating comp)



All UTRs are licensed by KSA  
(Kingdom of Saudi Arabia)

05  
Expertises

## Convenience

Make Things Easier and Smarter.

Smart wi-fi

Multi Channel Condenser

Special Remote Control



\*The smart phone display can be different with the real one.

## Smart wi-fi



Control your cool anytime anywhere



### How Smart wi-fi works from outside the house

Since you can control your air conditioner with your smart phone or computer, you never have to worry that you accidentally left the air conditioner on. With the smart device, you can easily turn it off from outside the house. Furthermore, you can turn it on before you arrive so you always enter a cool house.



### How Smart wi-fi works from inside the house

You also can use your smart phone like a remote control because it contains most of the functions of the remote control.



Inside the house			Outside the house
Power on / off	Operation mode	Temperature setting	Power on / off
S-Plasma ion d'light cool	Smart saver	Quiet mode	Operation mode
	Auto clean	good'sleep	Temperature setting

## MCC (Multi Channel Condenser)



Achieve high efficiency through innovation



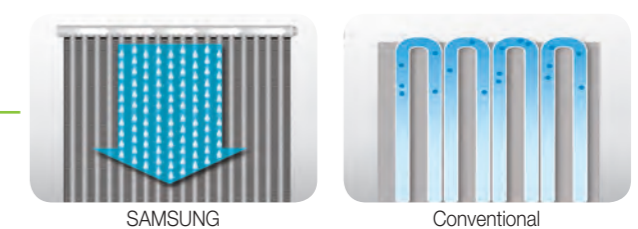
### Remarkable innovation for the heat exchanger!

Samsung's Multi Channel Condenser increases the heat exchange surface with multi channel flow, and with its new flat surface design, it reduces air resistance compared to conventional heat exchangers. Therefore, the cooling efficiency has been improved!



### Instant heat exchange for faster cooling!

Compared to conventional ones, Samsung MCC heat exchanger performs faster, resulting in faster heat exchange. So, your space can be cooled instantly.



## Special remote control

**01 Easy View Display**

Bigger, clearer numbers and icons allow for better visibility.

**02 Bigger Buttons**

Larger buttons for easier use.

**03 Power Button**

Orange colored power button makes it easy to see.

# Split Type

Express Yourself.

- K-series
- Y-series
- P-series
- T-series
- Crystal
- Max



# K-Series (Jungfrau Flagship)

The elaborately designed Samsung's K-Series air conditioner helps to reduce energy consumption to save money, so you can enjoy both the best in style and energy efficiency.



### World Top Class EER

K-series receives the World Top Class EER for high energy efficiency.

### Smart Inverter

Smart Inverter technology assures you have optimal comfort while saving energy.

### Smart wi-fi

With the wi-fi function, you can operate your air conditioner inside and outside of your house.

## Additional features



### Smart Inverter

Smart Inverter maintains the ideal temperature without constant shutting off and on of the compressor.



### Zero Standby Power

The air conditioner uses almost 0W of energy when it's off, that results in 90% more energy savings.



### S-Plasma ion

S-Plasma ion eliminates up to 99% of the biological contaminants in the air such as dust, bacteria and even H1N1 virus.



### Full HD Filter

The Full High Density Filter collects up to 90% of dust and allergy causing bacteria.



### 3D Wind

The Wide Twin Blades and 4 Way Auto Swing provide advanced airflow all around the room for even distribution.



### Smart wi-fi

With the newly added wi-fi function, you can control your air conditioner without space restraints.



### d'light cool

This system automatically adjusts the temperature and humidity level to maintain the most pleasant environment.

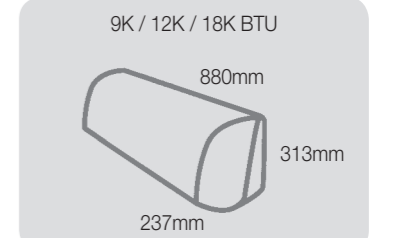


### good'sleep

good'sleep automatically adjusts the temperature to create the most comfortable environment at night.

Smart Saver	Wide-Twin Blade	Allergy Care	Auto Clean
Natural Breeze	Turbo Cooling	Dehumidification	Auto Mode
Fan Mode	Quiet Mode	Engine Protector (OLP Compressor)	Controller Protector (Volt Control PCB)
Fin Protector (Anti-corrosion Fin)	Twin BLDC	Indoor Temp. Display	Display On/Off
Beep On/Off	Real-time timer	Auto Air Direction (Up/Down)	Auto Air Direction (Left/Right)
Auto Restart	Auto Changeover		

## Available color & dimension



## Outdoor units & remote control





# Y-Series (Jungfrau Premium)

With outstanding purifying technology and consistent cooling power in any circumstance, the Samsung Y-Series air conditioner ensures comfort.



### Inimitable Design

The snow white color and its minimal design add modern sophistication to the room.

### Smart Inverter

Smart Inverter technology assures you have optimal comfort while saving energy.

### S-Plasma ion

S-Plasma ion eliminates 99% of harmful contaminants in the air.

## Additional features



### Smart Inverter

Smart Inverter maintains the ideal temperature without constant shutting off and on of the compressor.



### Zero Standby Power

The air conditioner uses almost 0W of energy when it's off, that results in 90% more energy savings.



### S-Plasma ion

S-Plasma ion eliminates up to 99% of the biological contaminants in the air such as dust, bacteria and even H1N1 virus.



### Full HD Filter

The Full High Density Filter collects up to 90% of dust and allergy causing bacteria.



### 3D Wind

The Wide Twin Blades and 4 Way Auto Swing provide advanced airflow all around the room for even distribution.



### d'light cool

This system automatically adjusts the temperature and humidity level to maintain the most pleasant environment.



### good'sleep

good'sleep automatically adjusts temperature to create the most comfortable environment at night.

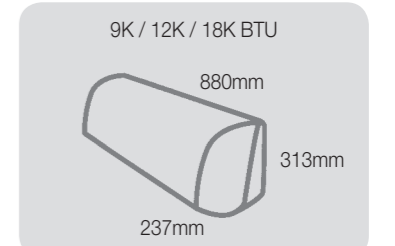


### Smart Saver

In Smart Saver mode, the compressor of the air conditioner operates in the least amount of time to cool the room, which saves electricity.

- |                 |                                   |   |                                    |
|-----------------|-----------------------------------|---|------------------------------------|
| Wide-Twin Blade | Allergy Care                      | Auto Clean                              | Natural Breeze                     |
| Turbo Cooling   | Dehumidification                  | Auto Mode                               | Fan Mode                           |
| Quiet Mode      | Engine Protector (OLP Compressor) | Controller Protector (Volt Control PCB) | Fin Protector (Anti-corrosion Fin) |
| Twin BLDC       | Indoor Temp. Display              | Display On/Off                          | Beep On/Off                        |
| Real-time timer | Auto Air Direction (Up/Down)      | Auto Air Direction (Left/Right)         | Auto Restart                       |
| Auto Changeover |                                   |   |                                    |

## Available color & dimension



## Outdoor units & remote control



# P-Series (Maldives)

Rely on the Samsung P-Series air conditioner for longer lasting coolness, sophisticated style, and healthier living.



### Smart Inverter

Smart Inverter technology assures you have optimal comfort while saving energy.

### Full HD filter

The Full HD Filter collects up to 80% of dust and bacteria causing allergy.

### S-Plasma ion

S-Plasma ion eliminates 99% of harmful contaminants in the air.

## Additional features



### Smart Inverter

Smart Inverter maintains the ideal temperature without constant shutting off and on of the compressor.



### Zero Standby Power

The air conditioner uses almost 0W of energy when it's off, resulting in 90% more energy savings.



### S-Plasma ion (optional)

S-Plasma ion eliminates up to 99% of the biological contaminants in the air such as dust, bacteria and even H1N1 virus.



### Full HD Filter

The Full High Density Filter collects up to 80% of dust and allergy causing bacteria.

- |                                    |                              |                                   |   |
|------------------------------------|------------------------------|-----------------------------------|---|
| Smart Saver                        | good'sleep                   | Anti Bacteria Coating             | Auto Clean                              |
| Natural Breeze                     | Turbo Cooling                | Dehumidification                  | Auto Mode                               |
| Fan Mode                           | Quiet Mode                   | Engine Protector (OLP Compressor) | Controller Protector (Volt Control PCB) |
| Fin Protector (Anti-corrosion Fin) | Twin BLDC                    | BLDC                              | Multi-channel Condensor                 |
| 24-Hour timer                      | Auto Air Direction (Up/Down) | Manual Air Direction (Left/Right) | Auto Restart                            |
| Auto Changeover                    |                              |                                   |   |

## Available colors & dimensions



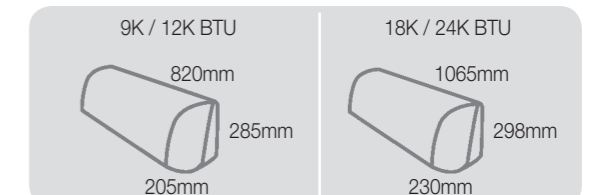
Blue



White



Silver



\* The colors may be different depending on region.

## Outdoor units & remote control

### Inverter

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



# T-Series (Boracay)

In the hottest of summers, depend on the T-Series to cool your space quickly, so you can enjoy coolness all day long.



### Turbo Cooling

Turbo Cooling cools down the space 15% faster than normal operation.

### Full HD Filter

The Full HD Filter collects up to 80% of dust and bacteria causing allergy.

### Triple Protector

Triple Protector offers greater durability, higher efficiency, and more reliability.

## Additional features



### Smart Saver

In Smart Saver mode, the compressor operates in the least amount of time to cool the room, which saves electricity.



### Full HD Filter

The Full High Density Filter collects up to 80% of dust and allergy causing bacteria.



### Turbo Cooling

Turbo Cooling maximizes the speed of cooling and heating to quickly reach the set temperature.



### Triple Protector

The powerful cooling system, constant volt control and effective anti-corrosion coating offers fresh cooling air for a long time.

Zero Standby Power	good'sleep	Anti-Bacteria Coating	Auto Clean
Natural Breeze	Dehumidification	Auto Mode	Fan Mode
Quiet Mode	Engine Protector (OLP Compressor)	Controller Protector (Volt Control PCB)	Fin Protector (Anti-corrosion Fin)
Multi-channel Condenser	24-Hour timer	Auto Air Direction (Up/Down)	Manual Air Direction (Left/Right)
Auto Restart	Auto Changeover		

## Available colors & dimensions



Silver

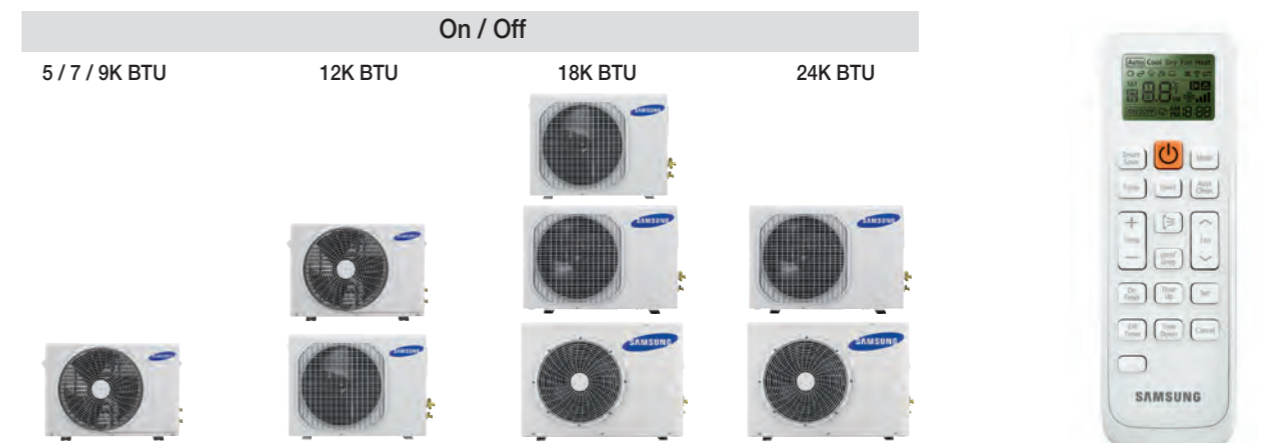


Blue

5K / 7K BTU	9K BTU	9K / 12K BTU	12K / 18K BTU	18K / 24K BTU
728mm 255mm 175mm	728mm 255mm 190mm	820mm 285mm 210mm	890mm 285mm 210mm	1065mm 298mm 225mm

\* The colors may be different depending on region.

## Outdoor units & remote control



# Crystal

Crystal 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 functions.



### S-Plasma ion

S-Plasma ion eliminates 99% of harmful contaminants in the air.



### Full HD Filter

The Full HD Filter collects up to 80% of dust and bacteria causing allergy.

### Filter Cleaning Indicator

The indicator automatically alerts you when the filter needs to be cleaned.

## Additional features



### Smart Inverter (optional)

Smart Inverter maintains the ideal temperature without constant shutting off and on of the compressor.



### Zero Standby Power

The air conditioner uses almost 0W of energy when it's off, resulting in 90% more energy savings.



### Smart Saver

In Smart Saver mode, the compressor operates in the least amount of time to cool the room, which saves electricity.



### S-Plasma ion (optional)

S-Plasma ion eliminates up to 99% of the biological contaminants in the air such as dust, bacteria and even H1N1 virus.



### Full HD Filter

The Full High Density Filter collects up to 80% of dust and allergy causing bacteria.



### d'light cool (optional)

This system automatically adjusts the temperature and humidity level to maintain the most pleasant environment.



### good'sleep

good'sleep automatically adjusts temperature to create the most comfortable environment at night.



### Filter Cleaning Indicator (optional)

The indicator automatically alerts you when the filter needs to be cleaned by illuminating blue light.

- |                                    |                                   |                                   |   |
|------------------------------------|-----------------------------------|-----------------------------------|---|
| Deodorizing Filter                 | Catechin Filter                   | Anti-Bacteria Coating             | Auto Clean                              |
| Natural Breeze                     | Turbo Cooling                     | Dehumidification                  | Auto Mode                               |
| Fan Mode                           | Quiet Mode                        | Engine Protector (OLP Compressor) | Controller Protector (Volt Control PCB) |
| Fin Protector (Anti-corrosion Fin) | Twin BLDC                         | BLDC                              | Multi-channel Condensor                 |
| Indoor Temp. Display               | Display On/Off                    | Beep On/Off                       | 24-Hour timer                           |
| Auto Air Direction (Up/Down)       | Manual Air Direction (Left/Right) | Auto Restart                      | Auto Changeover                         |

## Available colors & dimensions



White



Silver

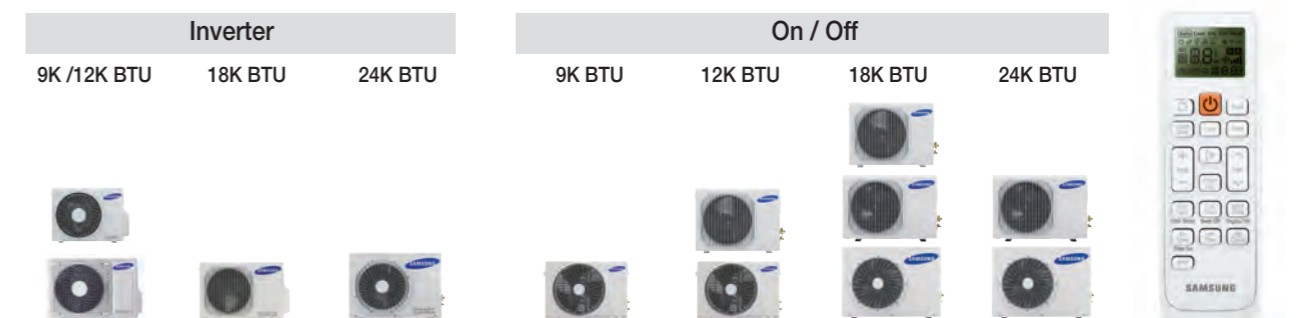


Blue

5K / 7K / 9K / 12K BTU	12K / 18K BTU	18K / 24K BTU
820mm	890mm	1065mm
285mm	285mm	298mm
190mm	190mm	222mm

\* The colors may be different depending on region.

## Outdoor units & remote control



# Max

With exceptional cooling power, Max cools the room faster and keeps it cool longer with refreshing air. Also, its unique technologies prevent waste of unnecessary energy consumption and control the temperature automatically.



### Turbo Cooling

Turbo Cooling cools down the space 15% faster than normal operation.

### Full HD Filter

The Full HD Filter collects up to 60% of dust and bacteria causing allergy.

## Additional features



### Smart Saver

In Smart Saver mode, the compressor operates in the least amount of time to cool the room, which saves electricity.



### good'sleep

good'sleep automatically adjusts temperature to create the most comfortable environment at night.



### Turbo Cooling

Turbo Cooling maximizes the speed of cooling and heating to quickly reach the set temperature.



### Triple Protector

The powerful cooling system, constant volt control and effective anti-corrosion coating offers fresh cooling air for a long time.

Smart Inverter	Zero Standby Power	Full HD filter	Anti-Bacteria Coating
Auto Clean	Natural Breeze	Dehumidification	Auto Mode
Fan Mode	Quiet Mode	Engine Protector (OLP Compressor)	Controller Protector (Volt Control PCB)
Fin Protector (Anti-corrosion Fin)	Twin BLDC	BLDC	Multi-channel Condensor
24-Hour timer	Auto Air Direction (Up/Down)	Manual Air Direction (Left/Right)	Auto Restart
Auto Changeover			

## Available colors & dimensions



White

Gray


Light Blue

5K / 7K BTU	9K BTU	9K / 12K BTU	9K / 12K / 18K BTU	18K / 24K BTU	30K / 36K BTU
728mm	728mm	820mm	890mm	1065mm	1279mm
255mm	255mm	285mm	285mm	298mm	345mm
170mm	185mm	190mm	190mm	222mm	229mm

\* The color and size may be different depending on region.

## Outdoor units & remote control

Inverter			On / Off			
9K / 12K BTU	18K BTU	24K BTU	5 / 7 / 9K BTU	12K BTU	18K BTU	24K BTU



# Window Type

## Specialities

Mexico / South America Line up

CIS Line up

Middle East / Africa Line up

Southeast Asia Line up

# Specialities

## 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 for a great start to your day.

### 01 Falling asleep stage

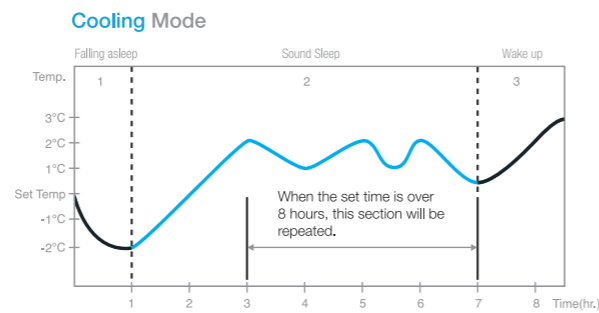
Eases you into sleep by dropping the temperature.

### 02 Sound sleep stage

Relaxes your body and raises your temperature slightly.

### 03 Wake up stage

Allows you to wake up in comfortable intermittent air, helping you feel refreshed.



## Full HD filter

The Full High Density Filter collects up to 60% of dust and harmful bacteria.



## Convenient control

### 01 Smart Display

Shows you the operating status.

### 02 Timer button

Sets the 24hr On / Off timer.

### 03 good'sleep button

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

### 04 Air flow direction adjustment button

Moves inner air flow blades horizontally.

### 05 Fan speed adjustment button(s)

Select 3 levels of fan speed: High, Med, and Low.

### 06 On / Off button

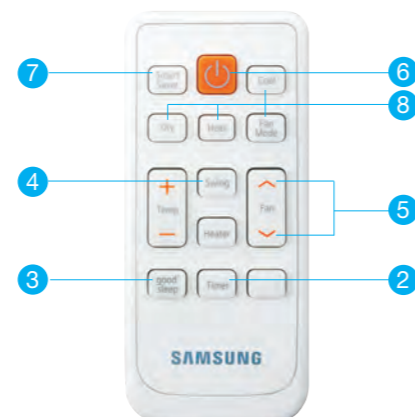
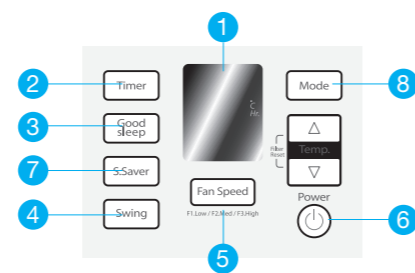
Turns on / off the air conditioner.

### 07 Smart Saver button

Smart Saver operates the air conditioner automatically in the least amount of time necessary to cool the room, which saves electricity.

### 08 Mode selection button(s)

Select the Cool, Heat, Dry or Fan mode



## 4-way air direction

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



## 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.



## Dehumidification

The Window Type air conditioner removes humidity, a big discomfort in summer, keeping your room pleasant and fresh.

## Rust-free cabinet

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



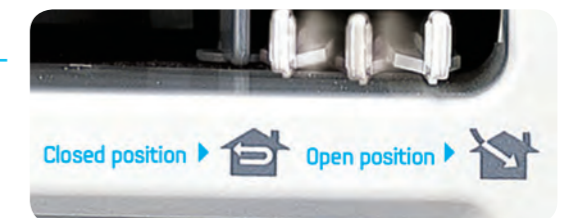
Samsung's rust-free cabinet material after 1000 hours



Normal cabinet material after 600 hours

## Ventilation control

You can ventilate by adjusting ventilation lever. It will make your room fresh and pleasant through introducing outside air.



## Easy-to access filter

Slide the filter in and out without removing the front grille for 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

- \_ Full HD filter
- \_ Temperature control
- \_ 2 way air direction
- \_ Washable grille
- \_ Easy access filter
- \_ 2 stage fan/cool mode



	Power Source(V/Hz/Ø)	5K BTU
Cooling Only	115 / 60 / 1	AW05N0AG

## AI Series (Electronic)

### Features & Model

- \_ Full HD filter
- \_ Temperature control
- \_ good'sleep
- \_ 24-Hour Timer
- \_ 4 way air direction
- \_ Remote controller
- \_ Washable grille
- \_ Easy access filter
- \_ Energy saving mode
- \_ 3 stage fan/cool mode



	Power Source(V/Hz/Ø)	8K BTU
Cooling Only	115 / 60 / 1	AW08NHAB / AW08NHAG

## AI Series (Mechanical)

### Features & Model

- \_ Full HD filter
- \_ Temperature control
- \_ 4 way air direction
- \_ Washable grille
- \_ Easy access filter
- \_ 2 stage fan / 3 stage cool mode



	Power Source(V/Hz/Ø)	8K BTU
Cooling Only	115 / 60 / 1	AW08N0AB / AW08N0AF / AW08N0AG

## INNO & H Series (Mechanical)

### Features & Model

- \_ Full HD filter
- \_ Temperature control
- \_ Auto swing
- \_ 4 way air direction
- \_ Slide in/out
- \_ Washable grille
- \_ Easy access filter
- \_ 2 stage fan/ 3 stage cool mode



	Power Source(V/Hz/Ø)	12K BTU	18K BTU	24K BTU
Cooling Only	220 / 60 / 1	AW12P1BC AW12P1BG AW12P0BC	AW18P1BE AW18P1BF AW18P1BG	AW24P1BC AW24P1BD
	115 / 60 / 1	AW12P1AC AW12P1AG AW12P0AC	-	-

## INNO & H Series (Electronic)

### Features & Model

- \_ Full HD filter
- \_ Temperature control
- \_ good'sleep mode
- \_ Auto swing
- \_ 4 way air direction
- \_ Air ventilation
- \_ Slide in/out
- \_ Remote controller
- \_ Washable grille
- \_ Easy access filter
- \_ Smart Saver
- \_ 3 Stage fan/cool mode
- \_ 24-Hour Timer



	Power Source(V/Hz/Ø)	12K BTU	18K BTU	24K BTU
Cooling Only	220 / 60 / 1	AW12PKBC AW12PKBG AW12PHBC	AW18PKBG	AW24PKBC AW24PHBD AW24PHBC
	115 / 60 / 1	AW12PKAC AW12PKAG	-	-



## CIS Line up

### New Y Series (Mechanical)

#### Features & Model

- \_ Full HD filter
- \_ 2 way air direction
- \_ Washable grille
- \_ Easy access filter
- \_ 2 stage fan/cool mode

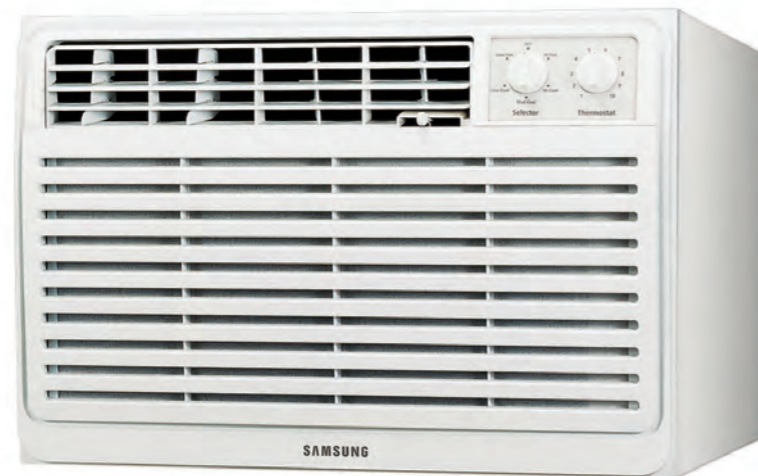


	Power Source(V/Hz/Ø)	5K BTU
Cooling Only	220~240 / 50 / 1	AW05N0D

### AI Series (Mechanical)

#### Features & Model

- \_ Full HD filter
- \_ Auto swing
- \_ 4 way air direction
- \_ Washable grille
- \_ Easy access filter
- \_ 2 stage fan/3 stage cool mode



	Power Source(V/Hz/Ø)	7K BTU
Cooling Only	220~240/50/1	AW07N0D

## Middle East / Africa Line up

### H Series (Mechanical / P Grille)

#### Features & Model

- \_ Full HD filter
- \_ Auto swing
- \_ 4 way air direction
- \_ Washable grille
- \_ Easy 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	AW09P1E / AW09P1B	AWT12P1B / AW12P1C / AWT13P1C	AW18P1B / AW18P1C	AW24P1B / AW24P1D

### H Series (Mechanical / F Grille)

#### Features & Model

- \_ Full HD filter
- \_ Temperature control
- \_ Auto swing
- \_ 4 way air direction
- \_ Air ventilation
- \_ Slide in/out
- \_ Washable grille
- \_ Easy access filter
- \_ 2 stage fan / 3 stage cool mode



	Power Source (V/Hz/Ø)	9K BTU	12K BTU	18K BTU	24K BTU
Heater	220~240 / 50 / 1	-	-	AHT19F1C	-
Cooling Only	220~240 / 50 / 1	-	-	AWT19F1C	-

# Middle East / Africa Line up

## H Series (Electronic / P Grille)

### Features & Model

- \_ Full HD filter
- \_ good'sleep
- \_ 24-Hour Timer
- \_ Smart Saver
- \_ Auto restart
- \_ Auto swing
- \_ Air ventilation
- \_ 4 way air direction
- \_ Washable grille
- \_ Easy 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	AW09PKE	AWT13PHC AW12PKB / AW12PKC	AW18PKB / AW18PKC / AW18PKD	AW24PKB / AW24PKD

## H Series (Electronic / F Grille)

### Features & Model

- \_ Full HD filter
- \_ Temperature control
- \_ good'sleep
- \_ Auto swing
- \_ 4 way air direction
- \_ Air ventilation
- \_ Slide in/out
- \_ Remote controller
- \_ 3 stage fan/cool mode
- \_ Washable grille
- \_ Easy access filter
- \_ Smart Saver
- \_ 24-Hour Timer



	Power Source (V/Hz/Ø)	9K BTU	12K BTU	18K BTU	24K BTU
Heater	220~240 / 50 / 1	-	-	AHT19FGC	-
Cooling Only	220~240 / 50 / 1	-	-	AWT19FHC	-

## M Series (Mechanical / W Grille)

### Features & Model

- \_ Full HD filter
- \_ Auto swing
- \_ 4 way air direction
- \_ Air ventilation
- \_ Slide in/out
- \_ Washable grille
- \_ Easy access filter
- \_ 2 stage fan/3 stage cool mode



	Power Source (V/Hz/Ø)	9K BTU	12K BTU	18K BTU	24K BTU
Heater	220~240 / 50 / 1	-	-	AHT18W1C / AHT18W1D	AHT24W1B
	220 / 60 / 1	-	-	AHT18W1D / AHT18W1E	AHT24W1B
Cooling Only	220~240 / 50 / 1	-	-	AWT18W1C / AWT18W1D	AWT24W1B
	220 / 60 / 1	-	-	AWT18W1D / AWT18W1E	AW24W1B

## M Series (Electronic / W Grille)

### Features & Model

- \_ Full HD filter
- \_ Temperature control
- \_ Auto swing
- \_ 4 way air direction
- \_ Air ventilation
- \_ Slide in/out
- \_ Washable grille
- \_ Easy access filter
- \_ 3 stage fan/cool mode



	Power Source (V/Hz/Ø)	9K BTU	12K BTU	18K BTU	24K BTU
Cooling Only	220~240 / 50 / 1	-	-	AWT18WHD	AWT24WHB
	220 / 60 / 1	-	-	AWT18WHD / AWT18WHE	AWT24WHB

## M Series (Mechanical / U Grille)

### Features & Model

- \_ Full HD Filter
- \_ Temperature control
- \_ Air flow control step (Cool/Fan)
- \_ Auto swing
- \_ 4 way air direction
- \_ Air discharge
- \_ Air ventilation
- \_ Slide in/out



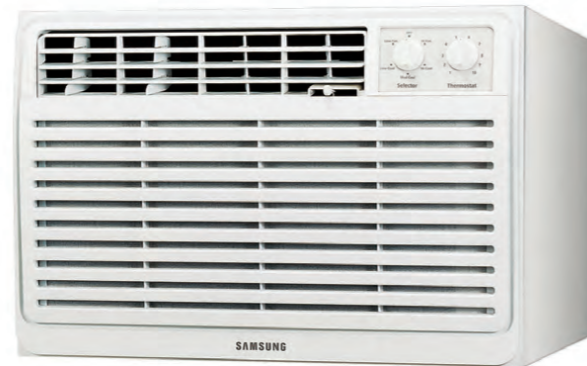
	Power Source (V/Hz/Ø)	9K BTU	12K BTU	18K BTU	24K BTU
Heater	220 / 60 / 1	-	-	AHT18U1D / AHT18U1E	-
Cooling Only	220 / 60 / 1	-	-	AWT18U1D / AWT18U1E	-

# Southeast Asia Line up

## Y Series (Mechanical)

### Features & Model

- \_ Full HD filter
- \_ 2 way air direction
- \_ Washable grille
- \_ Easy access filter
- \_ 2 stage fan / cool mode



	Power Source (V/Hz/Ø)	5K BTU
Cooling Only	220 / 60 / 1	AW05N0B

## L Series (Electronic)

### Features & Model

- \_ Full HD filter
- \_ good'sleep
- \_ 24-Hour Timer (LH) / 12-Hour Timer (L2)
- \_ Smart saver
- \_ Auto swing
- \_ Air ventilation
- \_ 4 way air direction
- \_ Washable grille
- \_ Easy access filter
- \_ 3 stage fan/cool mode



	Power Source (V/Hz/Ø)	7K BTU	9K BTU	12K BTU
Cooling Only	220 / 60 / 1	AW07LHBXTC (Remote Control)	AW09LHBXTC (Remote Control)	AW12LHCXTC (Remote Control)

## L Series (Mechanical)

### Features & Model

- \_ Full HD filter
- \_ Auto swing
- \_ 4 way air direction
- \_ Washable grille
- \_ Easy access filter
- \_ 2 stage fan/3 stage cool mode
- \_ Air ventilation



	Power Source (V/Hz/Ø)	7K BTU	9K BTU	12K BTU
Cooling Only	220 / 60 / 1	AW07L1BXTC AW07L2BXTC	AW09L1BXTC AW09L2BXTC	AW12L1CXTC AW12L2CXTC

## F Series (Mechanical / F Grille)

### Features & Model

- \_ Full HD filter
- \_ Auto swing
- \_ 4 way air direction
- \_ Washable grille
- \_ Easy access filter
- \_ 2 stage fan/3 stage cool mode
- \_ Air ventilation



	Power Source (V/Hz/Ø)	7K BTU	9K BTU	12K BTU	18K BTU
Cooling Only	220 / 60 / 1	-	-	-	AW18F1CXTC

## F Series (Electronic / F Grille)

### Features & Model

- \_ Full HD filter
- \_ good'sleep mode
- \_ 24-Hour Timer
- \_ Smart Saver
- \_ Auto swing
- \_ Air ventilation
- \_ 4 way air direction
- \_ Washable grille
- \_ Easy access filter
- \_ 3 stage fan/cool mode



	Power Source (V/Hz/Ø)	9K BTU	12K BTU	18K BTU
Cooling Only	220 / 60 / 1	-	-	AW18FHCXTC

# Floor Standing Type

Rose

Super

Mirage

Waltz



# Rose



### Exclusive Design

Inspired by the rose, this air conditioner is simple and elegant. It wouldn't be an exaggeration to say that this design has brought air conditioners into a new realm of style.

### Blooming Touch

Touch the central control panel and the doors open like a blooming flower.

### Hidden Buttons

Buttons and display screens are hidden behind the outerdoor, making it look like an elegant sculpture when it isn't being used.

### Sparkling Diamonds

As if decorated with diamonds, the Rose's upper and lower surfaces sparkle with great detail.

## Powerful wind

Rose has two separate air discharge ports on the left and the right, covering a wider range. Furthermore, it also has two larger coolers, allowing it to send a stronger wind farther away, and covers a wide space with ease.



## Perfect air filtration

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.

### S-Plasma ion (Virus Doctor)

This air purifying device (S-Plasma ion technology) eliminates 99% of contaminants, bacteria and viruses in the air.



### Zero Filter

Zero filter effectively removes dust by collecting dust using static electricity. Rose is able to cover an area of 49.6m<sup>2</sup> with 100% efficiency rate, as extensive as its large cooling capacity.

### Full HD Filter

Filters with high density increase efficiency by up to 80% while thoroughly removing allergens and bacteria.

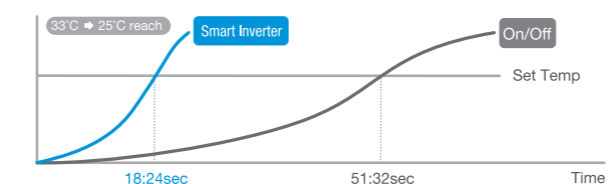


## Energy saving

With Smart Inverter technology, energy efficiency is greatly improved. In addition, the ability to adjust the power of cooling depending on the activity level in the room effectively prevents energy waste.

### Smart Inverter

- Up to 84.3% in electricity costs by using the Solo Mode of the Smart Inverter.  
\* In comparison with Non Inverter models
- Enjoy better cooling results even when only operated for a short amount of time. The Smart Inverter reaches the set temperature 3 times faster than the ON/OFF method.



### Smart Sensor

A built-in sensor with location recognition automatically controls the air conditioner's wind strength depending on the level of human activity in the room, minimizing the amount of unnecessary cooling.

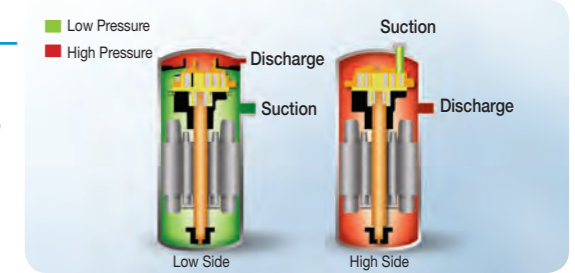


# Super



## Powerful scroll compressor

Super's lower pressure type compressor provides incredible performance in hot temperature, resulting in preventing temperature rise. In addition, unique seal makes higher efficiency by blocking the refrigerant spill.



## Triple safety system

Triple safety system provides high reliability and outstanding durability.

### 1. Lower Pressure Switch

When refrigerant leaks out, the triple safety system senses the pressure change and automatically stops the operation.

### 3. High Pressure Switch

When the pressure of refrigerant extremely increases, the high pressure switch automatically shuts down the compressor.

### 2. Liquid Injection System

When the temperature of the compressor increases accidentally, liquid injection system redirects cold refrigerant into the compressor and decreases the temperature.

## 18m long-range air flow

The optimum combination of powerful fan motor and fan ensures a long-range air flow that reaches to 18m. So, it instantly cools even in a large room.



## Duct installation for a large space

With an installation of Duct, the air conditioner offers a powerful cooling performance regardless of space characters.



## Smart Saver

Since the Smart Saver makes the air conditioner to use the least amount of time to cool the room, you can save on the electricity bill.



## Secure function lock

The Secure Function lock offers improved security by restricting the access of unselected users like a child.

## Features

- \_ Smart Saver
- \_ Anti-bacteria filter
- \_ 4 way air direction (manual)
- \_ Dehumidification
- \_ Fan Mode
- \_ Indoor Temp. Display
- \_ Remote Controller
- \_ 12 Hours Timer
- \_ Auto Restart
- \_ Anti-corrosion Fin
- \_ Scroll Compressor

# Mirage



## 4Way auto swing

There's no need to use 2 air conditioners to cool one large area with a Samsung air conditioner. Powerful air flow from 4 directions cool every corner of the room so the entire room gets cool.



## Full HD filter

Filters with high density increase efficiency by up to 60% while thoroughly removing allergens and bacteria.



## Full touch panel control

The touch screen display panel lets you easily control the direction of air flow, adjust temperature, and simply adds modern luxury to your room.



## Auto shutter

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.



## Features

- \_ Full HD Filter
  - \_ Anti-bacteria
  - \_ 4 way Air Direction (Up/Down)
  - \_ Turbo Cooling
  - \_ Dehumidification
- \_ Auto Mode
  - \_ Fan Mode
  - \_ Indoor Temp. Display
  - \_ Remote Controller
  - \_ 24-HourTimer
- \_ Auto Restart
  - \_ Anti-corrosion Fin
  - \_ UTR Compressor



### d'light cool

Samsung's d'light cool system automatically checks the current humidity and temperature to create the most pleasant environment.

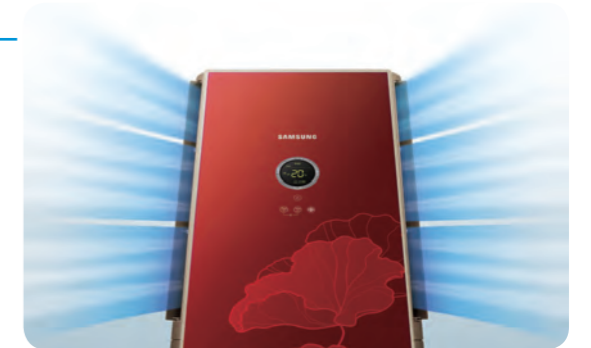
### Luxury design

The glassed modern style of Samsung's new air conditioner adds elegant, luxurious style to your space.



### Turbo Cooling

With Turbo Cooling system, the powerful air cools down your space faster, contributing to higher productivity and better comfort.



### Long distance air flow

Thanks to the long distance air flow, instantaneous cool air is felt by all, regardless of how far they are from the air conditioner.



### Features

- \_ Dehumidification
- \_ good'sleep (Bio Sleep)
- \_ Smart Saver(Optional)
- \_ Auto wind
- \_ Auto restart
- \_ Auto Shutter
- \_ LED display
- \_ Childcare lock
- \_ Filter Cleaning Indicator
- \_ Anti Bacteria Coating
- \_ Auto Mode
- \_ Fan Mode
- \_ Timer
- \_ Anti Corrosion Fin
- \_ UTR



# Specifications

- Europe
- CIS
- America
- Southeast Asia
- Middle East
- Africa
- Southwest Asia



# Europe

		K-series (Jungfrau-F)			Y-series (Jungfrau-P)			
Model Code		AQV09KBBN	AQV12KBBN	AQV18KBBN	AQV09YWAN	AQV12YWAN	AQV18YWAN	
AC Type		INV. HP	INV. HP	INV. HP	INV. HP	INV. HP	INV. HP	
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A	
<b>Performance</b>								
Capacity	Cooling	Btu/hr.	8,530	11,942	17,060	8,530	11,942	17,060
		(min-max)	3378-11260	3378-13648	5459-20472	3378-10918	3378-13648	5459-20472
		Kcal/hr.	2,150	3,010	4,300	2,150	3,010	4,300
		(min-max)	850-2840	850-3870	1380-5160	850-2750	850-3870	1380-5160
		kW	2.5	3.5	5	2.5	3.5	5.0
		(min-max)	0.99-3.3	0.99-4.0	1.6-6.0	0.99-3.3	0.99-4.0	1.6-6.0
	Heating	Btu/hr.	10,918	13,648	20,472	10,918	13,648	20,472
		(min-max)	3378-20472	3378-22519	4094-25590	3378-16036	3310-18425	4094-25590
		Kcal/hr.	2,752	3,440	5,160	3,010	3,440	5,160
		(min-max)	850-5160	850-6020	1030-6450	850-4040	830-4640	1030-6450
		kW	3.2	4.0	6.0	3.2	4.0	6.0
		(min-max)	0.99-6.0	0.99-6.6	1.2-7.5	0.99-4.7	0.99-5.4	1.2-7.5
Energy Efficiency	Cooling	EER(Btu/W)	17.7	15.4	11.0	16.4	14.0	11.0
	Heating	EER(W/W)	5.20	4.50	3.21	4.80	4.10	3.21
Moisture Removal	Heating	COP(W/W)	5.20	4.50	3.61	4.80	4.10	3.61
		ℓ/hr.	0.8	1.3	2.0	0.6	1.1	2.0
Air Circulation (Max)		m <sup>3</sup> /min	9.6	10.1	14.4	10.3	11.0	14.4
Noise Level	Indoor High/Low	dB	39/20	41/20	43/26	39/21	41/21	43/26
	Outdoor High	dB	45	45	50	45	45	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	220-240/50/1	
Power Consumption	Cooling	W	480	780	1560	520	850	1560
	Heating	W	620	890	1660	670	980	1660
Operating Current	Cooling	A	2.4	3.8	7.4	2.5	3.9	7.4
	Heating	A	3.0	4.1	7.7	3.1	4.5	7.7
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W*H*D)	Indoor	mm	880*313*237	880*313*237	880*313*237	880*313*237	880*313*237	
	Outdoor	mm	790*545*285	790*545*285	790*545*285	790*545*285	790*545*285	
Net Weight	Indoor	kg	12.1	12.1	12.4	11.2	11.2	12.4
	Outdoor	kg	35.5	35.5	37.7	31.2	31.2	37.7
Shipping Weight	Indoor	kg	14.7	14.7	14.9	13.9	13.9	14.9
	Outdoor	kg	38.6	38.6	40.8	34.3	34.3	40.8
Loading Q'ty	W Pipe	20/40/40HC	83/172/198	83/172/198	83/172/198	83/172/198	83/172/198	
	W/O Pipe	20/40/40HC	84/174/198	84/174/198	84/174/198	84/174/198	84/174/198	
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	Ø 9.52mm	Ø 12.7mm	
Piping Length	Max	m	15	15	30	15	30	
Piping Height	Max	m	8	8	15	8	15	
<b>Features</b>								
Air Purification	S-Plasma ion		•	•	•	•	•	
	Auto Roof Shutter		-	-	-	-	-	
	Full HD Filter		90	90	90	90	90	
	DNA Filter		-	-	-	-	-	
	Deodorizing Filter		-	-	-	-	-	
	Catechin Filter		-	-	-	-	-	
	Allergy Care		•	•	•	•	•	
	Anti-bacteria Coating		-	-	-	-	-	
	Auto Clean		•	•	•	•	•	
	Wide Twin Blade		•	•	•	•	•	
Air Flow	Optimal Single Blade		-	-	-	-	-	
	Fan speed(Steps)		4	4	4	4	4	
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	
	Air Direction (Left/Right)		Auto	Auto	Auto	Auto	Auto	
Operating Mode	Natural Breeze		•	•	•	•	•	
	d'light Cool		•	•	•	•	•	
	good'sleep		•	•	•	•	•	
	Smart Saver		•	•	•	•	•	
	Turbo		•	•	•	•	•	
	Dehumidification		•	•	•	•	•	
	Auto Mode		•	•	•	•	•	
	Fan Mode		•	•	•	•	•	
	Quiet Mode		•	•	•	•	•	
	Smart wifi		•	•	•	•	•	
Convenience	Filter Cleaning Indicator		-	-	-	-	-	
	Temp. Display		•	•	•	•	•	
	Remote Controller		•	•	•	•	•	
	Display On/Off		•	•	•	•	•	
	Beep On/Off		•	•	•	•	•	
	Real-time Timer		•	•	•	•	•	
	24-Hour Timer		-	-	-	-	-	
	Auto Restart		•	•	•	•	•	
	Auto Changeover		•	•	•	•	•	
	Outdoor Unit	Compressor Type		Twin BLDC	Twin BLDC	Twin BLDC	BLDC	BLDC
	Anti-corrosion Fin		•	•	•	•	•	
	Multi-channel Condensor		-	-	-	-	-	
Low Ambient	Cooling	°C	-10-46	-10-46	-10-46	-10-46	-10-46	
	Heating	°C	-15-24	-15-24	-15-24	-15-24	-15-24	

		P-series (Maldives++)				P-series (Maldives)				
Model Code		AQV09PMEN	AQV12PMEN	AQV18PMBN	AQV24PMBN	AQV09PSBN	AQV12PSBN	AQV18PSBN	AQV24PSBN	
AC Type		INV. HP	INV. HP	INV. HP	INV. HP	INV. HP	INV. HP	INV. HP	INV. HP	
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
<b>Performance</b>										
Capacity	Cooling	Btu/hr.	8,500	11,940	17,060	23,202	8,530	11,942	17,060	23,202
		(min-max)	3300-11300	3300-13650	5459-20472	7506-27296	3310-11260	3310-13648	5459-20472	7506-27296
		Kcal/hr.	2,150	3,000	4,300	5,848	2,150	3,010	4,300	5,848
		(min-max)	835-2840	835-3440	1380-5160	1890-6880	830-2840	830-3440	1380-5160	1890-6880
		kW	2.5	3.5	5	6.8	2.5	3.5	5	6.8
		(min-max)	0.97-3.3	0.97-4.0	1.6-6.0	2.2-8.0	0.97-3.3	0.97-4.0	1.6-6.0	2.2-8.0
	Heating	Btu/hr.	11,300	13,650	20,472	26,614	11,260	13,648	20,472	26,614
		(min-max)	3300-16000	3300-18400	4094-25590	6483-34120	3310-16036	3310-18425	4094-25590	6483-34120
		Kcal/hr.	2,840	3,440	5,160	6,708	2,838	3,440	5,160	6,708
		(min-max)	835-4040	835-4650	1030-6450	1630-8600	830-4040	830-4640	1030-6450	1630-8600
		kW	3.3	4.0	6.0	7.8	3.3	4.0	6.0	7.8
		(min-max)	0.97-4.7	0.97-5.4	1.2-7.5	1.9-10.0	0.97-4.7	0.97-5.4	1.2-7.5	1.9-10.0
Energy Efficiency	Cooling	EER(Btu/W)	14.7	12.3	11.6	11.0	13.7	11.3	11.0	
	Heating	EER(W/W)	4.30	3.60	3.40	3.21	4.02	3.30	3.40	
Moisture Removal	Heating	COP(W/W)	4.10	3.70	3.61	3.61	4.10	3.70	3.61	
		ℓ/hr.	0.9	1.4	2.0	3.1	0.9	1.4	2.0	
Air Circulation (Max)		m <sup>3</sup> /min	11.3	11.5	13.8	17.1	9.0	9.8	13.8	
Noise Level	Indoor High/Low	dB	36/21	38/21	40/30	41/30	36/21	38/21	40/30	
	Outdoor High	dB	45	45	53	55	45	45	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	220-240/50/1	220-240/50/1	220-240/50/1	
Power Consumption	Cooling	W	580	970	1470	2120	620	1060	1470	
	Heating	W	800	1080	1660	2160	800	1080	1660	
Operating Current	Cooling	A	3.2	4.8	6.8	9.5	3	4.8	6.8	
	Heating	A	3.8	4.9	7.7	10	3.8	4.9	7.7	
<b>Dimension &amp; Loading Q'ty</b>										
Net Dimension (W*H*D)	Indoor	mm	820*285*205	820*285*205	1065*298*230	1065*298*230	820*285*205	820*285*205	1065*298*230	
	Outdoor	mm	790*545*285	790*545*285	790*545*285	880*798*310	790*545*285	790*545*285	880*798*310	
Net Weight	Indoor	kg	8.2	8.2	11.5	11.5	8.2	8.2	11.5	
	Outdoor	kg	31.2	31.2	38	53.5	30.5	38	53.5	
Shipping Weight	Indoor	kg	10.2	10.2	14.5	14.5	10.4	10.4	14.5	
	Outdoor	kg	34.3	34.3	42	58	34.5	42	58	
Loading Q'ty	W Pipe	20/40/40HC	83/172/198	83/172/198	78/162/181	52/108/124	83/172/198	83/172/198	78/162/181	
	W/O Pipe	20/40/40HC	84/184/210	84/184/210	78/164/186	52/108/124	84/184/210	84/184/210	78/164/186	
<b>Technical Information</b>										
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	Ø 15.88mm	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	
Piping Length	Max	m	15	15	30	30	15	15	30	
Piping Height	Max	m	8	8	15	15	8	8	15	
<b>Features</b>										
Air Purification	S-Plasma ion		-	-	-	-	-	-	-	
	Auto Roof Shutter		-	-	-	-	-	-	-	
	Full HD Filter		90	90	90	90	80	80	80	
	DNA Filter		-	-	-	-	-	-	-	
	Deodorizing Filter		-	-	-	-	-	-	-	
	Catechin Filter		-	-	-	-	-	-	-	
	Allergy Care		•	•	•	•	•	•	•	
	Anti-bacteria Coating		-	-	-	-	-	-	-	
	Auto Clean		•	•	•	•	•	•	•	
	Wide Twin Blade		•	•	•	•	•	•	•	
Air Flow	Optimal Single Blade		-	-	-	-	-	-	-	
	Fan speed(Steps)		4	4	4	4	4	4	4	
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	
	Air Direction (Left/Right)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	
	d'light Cool		•	•	•	•	•	•	•	
	good'sleep		•	•	•	•	•	•	•	
	Smart Saver		•	•	•	•	•	•	•	
	Turbo		•	•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	•	
	Quiet Mode		•	•	•	•	•	•	•	
	Smart wifi		•	•	•	•	•	•	•	
Convenience	Filter Cleaning Indicator		-	-	-	-	-	-	-	
	Temp. Display		•							



# Europe

			Crystal				Max	
Model Code			AQV09EWEN	AQV12EWEN	AQV18EWDN	AQV24EWDN	AQV09UGFNEUR	AQV10UWFNEUR
AC Type			INV. HP	INV. HP	INV. HP	INV. HP	INV. HP	INV. HP
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
<b>Performance</b>								
Capacity	Cooling	Btu/hr.	8,530	11,942	17,061	23,202	8,530	10,236
		(min-max)	3,310-11,260	3,378-13,649	5,459-20,473	7,506-27,296	2,559-10,918	2,559-12,966
		Kcal/hr.	2,150	3,009	4,299	5,848	2,150	2,580
		(min-max)	835-2,840	851-3,439	1,376-5,159	1,890-6,880	645-2,752	645-3,270
		kW	2.5	3.5	5	6.8	2.5	3
		(min-max)	0.97-3.3	0.97-4.0	1.6-6.0	2.2-8.0	0.75-3.2	0.75-3.8
	Heating	Btu/hr.	11,300	13,649	20,473	26,614	11,260	12,966
		(min-max)	3,300-16,000	3,378-17,743	4,095-25,591	6,483-34,120	3,241-13,989	3,241-16,378
		Kcal/hr.	2,840	3,439	5,159	6,708	2,837	3,267
		(min-max)	830-4,040	851-4,471	1,032-6,449	1,630-8,600	817-3,530	817-4,130
		kW	3.3	4.0	6.0	7.8	3.3	3.8
		(min-max)	0.97-4.7	0.97-5.4	1.2-7.5	1.9-10.0	0.95-4.1	0.95-4.8
Energy Efficiency	Cooling	EER(Btu/W)	13.7	11.2	11.6	11.0	11.6	11.3
	Heating	COP(W/W)	4.02	3.30	3.40	3.21	3.40	3.30
Moisture Removal		ℓ/hr.	1.4	1.4	2.5	3.1	1.0	1.10
Air Circulation (Max)		m <sup>3</sup> /min	12.0	9.0	13.0	17.1	8.0	9.9
Noise Level	Indoor High/Low	dB	36/21	38/21	38/30	43/30	35/21	37/21
	Outdoor High	dB	45	45	51	54	45	47
<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
Power Consumption	Cooling	W	620	1060	1470	2120	740	910
	Heating	W	800	1108	1660	2160	910	1050
Operating Current	Cooling	A	3	4.8	6.8	9.5	3.8	4.2
	Heating	A	3.8	4.9	7.7	10	4.4	4.8
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W*H*D)	Indoor	mm	820*285*205	820*285*205	1065*298*230	1065*298*230	820*285*205	820*285*205
	Outdoor	mm	790*548*285	790*548*285	790*548*285	880*798*310	720*548*265	720*548*265
Net Weight	Indoor	kg	8.2	8.2	11.5	11.5	8.2	8.2
	Outdoor	kg	30.5	30.5	38	53.5	26.5	27.5
Shipping Weight	Indoor	kg	10.4	10.4	14.5	14.5	10.4	10.4
	Outdoor	kg	34.5	34.5	42	58	29.5	30.5
Loading Q'ty	W Pipe	20/40/40HC	85/177/201	85/177/201	78/162/181	52/108/124	93/193/225	93/193/225
	W/O Pipe	20/40/40HC	88/182/213	88/182/213	78/164/186	52/108/124	95/200/232	95/200/232
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	Ø 15.88mm	Ø 9.52mm	Ø 9.52mm
Piping Length	Max	m	15	15	30	30	15	15
Piping Height	Max	m	8	8	15	15	7	7
<b>Features</b>								
Air Purification	S-Plasma ion		•	•	•	•	-	-
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		80	80	80	80	60	60
	DNA Filter		•	•	•	•	-	-
	Deodorizing Filter		•	•	•	•	-	-
	Catechin Filter		•	•	•	•	-	-
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual
Operating Mode	Natural Breeze		•	•	•	•	•	•
	d'light Cool		•	•	•	•	-	-
	good'sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		•	•	•	•	•	•
	Smart wifi		-	-	-	-	-	-
Convenience	Filter Cleaning Indicator		•	•	•	•	-	-
	Temp. Display		•	•	•	•	-	-
	Remote Controller		•	•	•	•	•	•
	Display On/Off		•	•	•	•	-	-
	Beep On/Off		-	-	-	-	-	-
	Real-time Timer		-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•
	Auto Changeover		•	•	•	•	•	•
	Outdoor Unit	Compressor Type		BLDC	BLDC	Twin BLDC	Twin BLDC	BLDC
	Anti-corrosion Fin		•	•	•	•	•	•
	Multi-channel Condenser		-	-	-	-	-	-
Low Ambient	Cooling	°C	-10-46	-10-46	-10-46	-10-46	-10-46	16-46
	Heating	°C	-15-24	-15-24	-15-24	-15-24	-10-24	-10-24

			Max				Max		
Model Code			AQV12UGFNEUR	AQV18UGDNEUR	AQV24UGDNEUR	AQ09UGFNEUR	AQ12UGFNEUR	AQ18UGFNEUR	AQ24UGFNEUR
AC Type			INV. HP	INV. HP	INV. HP	HP	HP	HP	HP
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A
<b>Performance</b>									
Capacity	Cooling	Btu/hr.	11,260	17,061	23,202	9,384	11,944	17,745	23,205
		(min-max)	2,559-12,966	5,459-20,473	7,506-27,296	-	-	-	-
		Kcal/hr.	2,837	4,299	5,848	2,365	3,010	4,472	5,848
		(min-max)	645-3,270	1,376-5,159	1,890-6,880	-	-	-	-
		kW	3.3	5	6.8	2.8	3.5	5.2	6.8
		(min-max)	0.75-3.8	1.6-6.0	2.2-8.0	-	-	-	-
	Heating	Btu/hr.	13,649	20,473	26,613.6	9,896	12,968	19,793	23,888
		(min-max)	3,241-16,378	4,095-25,591	6,483-34,120	-	-	-	-
		Kcal/hr.	3,439	5,159	6,708	2,494	3,268	4,988	6,020
		(min-max)	817-4,130	1,032-6,449	1,630-8,600	-	-	-	-
		kW	4.0	6.0	7.8	2.9	3.8	5.8	7
		(min-max)	0.95-4.8	1.2-7.5	1.9-10.0	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	11.0	11.6	11.0	11.0	11.0	9.6	9.6
	Heating	COP(W/W)	3.21	3.40	3.21	3.22	3.21	2.81	2.81
Moisture Removal		ℓ/hr.	3.61	3.61	3.61	3.61	3.61	3.22	2.81
Air Circulation (Max)		m <sup>3</sup> /min	1.4	2.5	3.0	1.0	1.5	1.8	2.4
Noise Level	Indoor High/Low	dB	9.0	13.0	15.0	7.5	9.5	13	17
	Outdoor High	dB	37/21	38/30	41/30	32/24	35/26	40/31	42/33
<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
Power Consumption	Cooling	W	1030	1470	2120	855	1090	1850	2420
	Heating	W	1110	1660	2160	803	1053	1800	2490
Operating Current	Cooling	A	4.8	6.8	9.5	4.1	5.4	8.3	10.8
	Heating	A	5.2	7.7	10	3.7	5.1	8.1	11.2
<b>Dimension &amp; Loading Q'ty</b>									
Net Dimension (W*H*D)	Indoor	mm	820*285*205	1065*298*230	1065*298*230	820*285*190	820*285*190	1065*298*222	1065*298*222
	Outdoor	mm	720*548*265	790*548*285	880*798*310	660*470*240	660*470*240	790*548*285	880*638*310
Net Weight	Indoor	kg	8.2	11.5	11.5	7.8	8.4	11.1	12.2
	Outdoor	kg	27.5	38	53.5	23.2	25.6	39.3	51.7
Shipping Weight	Indoor	kg	10.4	14.5	14.5	9.8	10.44	14.2	14.6
	Outdoor	kg	30.5	42	58	25.5	27.8	42.1	55.4
Loading Q'ty	W Pipe	20/40/40HC	93/193/225	78/162/181	52/108/124	117/240/274	117/240/274	78/162/181	63/131/149
	W/O Pipe	20/40/40HC	95/200/232	78/164/186	52/108/124	123/253/285	123/253/285	78/164/186	66/138/153
<b>Technical Information</b>									
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 9.52mm	Ø 12.7mm	Ø 15.88mm	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm
Piping Length	Max	m	15	30	30	15	15	20	20
Piping Height	Max	m	7	15	15	7	7	8	8
<b>Features</b>									
Air Purification	S-Plasma ion		-	-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-	-
	Full HD Filter		60	60	60	60	60	60	60
	DNA Filter		-	-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual	Manual
Operating Mode	Natural Breeze		•	•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•	•
	Turbo		•	•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•	•
	Quiet Mode		•	•	•	-	-	-	-
	Smart wifi		-	-	-	-	-	-	-
Convenience	Filter Cleaning Indicator		-	-	-	-	-	-	-
	Temp. Display		-	-	-	-	-	-	-
	Remote Controller		•	•	•	•	•	•	•
	Display On/Off		-	-	-				

			K-series (Jungfrau-F)		Y-series (Jungfrau-P)		P-series (Maldives)	
Model Code			AQV09KBBNSER	AQV12KBBNSER	AQV09YWCNSER	AQV12YWCNSER	AQV09P'DNSER	AQV12P'DNSER
AC Type			INV. HP	INV. HP	INV. HP	INV. HP	INV. HP	INV. HP
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
<b>Performance</b>								
Capacity	Cooling	Btu/hr.	8,530	11,942	8,530	11,942	8,530	11,942
		(min-max)	3378-11260	3378-13648	3378-10918	3378-13648	3310-11260	3310-13648
		Kcal/hr.	2,150	3,010	2,150	3,010	2,150	3,010
		(min-max)	850-2840	850-3870	850-2750	850-3870	830-2840	830-3440
		kW	2.5	3.5	2.5	3.5	2.5	3.5
		(min-max)	0.99-3.3	0.99-4.0	0.99-3.3	0.99-4.0	0.97-3.3	0.97-4.0
	Heating	Btu/hr.	10,918	13,648	10,918	13,648	11,260	13,648
		(min-max)	3378-20472	3378-22519	3378-16036	3310-18425	3310-16036	3310-18425
		Kcal/hr.	2,752	3,440	3,010	3,440	2,838	3,440
		(min-max)	850-5160	850-6020	850-4040	830-4640	830-4040	830-4640
		kW	3.2	4.0	3.2	4.0	3.3	4.0
		(min-max)	0.99-6.0	0.99-6.6	0.99-4.7	0.99-5.4	0.97-4.7	0.97-5.4
Energy Efficiency	Cooling	EER(Btu/W)	17.7	15.4	16.4	14.0	13.7	11.3
	Heating	COP(W/W)	5.20	4.50	4.80	4.10	4.02	3.30
Moisture Removal		ℓ/hr.	0.8	1.3	0.6	1.1	0.9	1.4
Air Circulation (Max)		m <sup>3</sup> /min	9.6	10.1	10.3	11.0	9.0	9.8
Noise Level	Indoor High/Low	dB	39/20	41/20	39/21	41/21	36/21	38/21
	Outdoor High	dB	45	45	45	45	45	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	220-240/50/1	220-240/50/1
Power Consumption	Cooling	W	480	780	520	850	620	1060
	Heating	W	620	890	670	980	800	1080
Operating Current	Cooling	A	2.4	3.8	2.5	3.9	3	4.8
	Heating	A	3.0	4.1	3.1	4.5	3.8	4.9
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W'H'D)	Indoor	mm	880*313*237	880*313*237	880*313*237	880*313*237	820*285*205	820*285*205
	Outdoor	mm	790*545*285	790*545*285	790*545*285	790*545*285	790*545*285	790*545*285
Net Weight	Indoor	kg	12.1	12.1	11.2	11.2	8.2	8.2
	Outdoor	kg	35.5	35.5	31.2	31.2	30.5	30.5
Shipping Weight	Indoor	kg	14.7	14.7	13.9	13.9	10.2	10.2
	Outdoor	kg	38.6	38.6	34.3	34.3	34.5	34.5
Loading Q'ty	W Pipe	20/40/40HC	83/172/198	83/172/198	83/172/198	83/172/198	83/172/198	83/172/198
	W/O Pipe	20/40/40HC	84/174/198	84/174/198	84/174/198	84/174/198	84/184/210	84/184/210
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm
Piping Length	Max	m	15	15	15	15	15	15
Piping Height	Max	m	8	8	8	8	8	8
<b>Features</b>								
Air Purification	S-Plasma ion		•	•	•	•	-	-
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		90	90	90	90	80	80
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		•	•	•	•	-	-
	Anti-bacteria Coating		-	-	-	-	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		•	•	•	•	-	-
Air Flow	Optimal Single Blade		-	-	-	•	•	
	Fan speed(Steps)		4	4	4	4	4	
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	
	Air Direction (Left/Right)		Auto	Auto	Auto	Manual	Manual	
Operating Mode	Natural Breeze		•	•	•	•	•	
	d'light Cool		•	•	•	-	-	
	good'sleep		•	•	•	•	•	
	Smart Saver		•	•	•	•	•	
	Turbo		•	•	•	•	•	
	Dehumidification		•	•	•	•	•	
	Auto Mode		•	•	•	•	•	
	Fan Mode		•	•	•	•	•	
	Quiet Mode		•	•	•	•	•	
	Smart wifi		•	•	-	-	-	
Convenience	Filter Cleaning Indicator		-	-	-	-	-	
	Temp. Display		•	•	•	•	•	
	Remote Controller		•	•	•	•	•	
	Display On/Off		•	•	•	-	-	
	Beep On/Off		•	•	•	-	-	
	Real-time Timer		•	•	•	-	-	
	24-Hour Timer		-	-	-	•	•	
	Auto Restart		•	•	•	•	•	
	Auto Changeover		•	•	•	•	•	
	Outdoor Unit	Compressor Type		Twin BLDC	Twin BLDC	BLDC	BLDC	BLDC
Low Ambient	Cooling	°C	-10-46	-10-46	-10-46	-10-46	-10-46	
	Heating	°C	-15-24	-15-24	-15-24	-15-24	-15-24	

			P-series (Maldives)				T-series (Boracay)			
Model Code			AQV18PSBNSER	AQV24PSBNSER	AQ07T'BNSER	AQ09T'BNSER	AQ12T'BNSER	AQ18T'BNSER	AQ24T'BNSER	AQ07T'ANSER
AC Type			INV. HP	INV. HP	HP	HP	HP	HP	HP	HP
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R22
<b>Performance</b>										
Capacity	Cooling	Btu/hr.	17,060	23,202	6,996	9,384	11,944	17,745	23,205	7,000
		(min-max)	5459-20472	7506-27296	-	-	-	-	-	-
		Kcal/hr.	4,300	5,848	1,763	2,365	3,010	4,472	5,848	1,764
		(min-max)	1380-5160	1890-6880	-	-	-	-	-	-
		kW	5	6.8	2.1	2.8	3.5	5.2	6.8	2.1
		(min-max)	1.6-6.0	2.2-8.0	-	-	-	-	-	-
	Heating	Btu/hr.	20,472	26,614	7,166	9,896	12,968	19,793	23,888	7,000
		(min-max)	4094-25590	6483-34120	-	-	-	-	-	-
		Kcal/hr.	5,160	6,708	1,806	2,494	3,268	4,988	6,020	1,764
		(min-max)	1030-6450	1630-8600	-	-	-	-	-	-
		kW	6.0	7.8	2.1	2.9	3.8	5.8	7	2.051282051
		(min-max)	1.2-7.5	1.9-10.0	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	11.6	11.0	11.0	11.0	11.0	9.6	9.6	10.0
	Heating	COP(W/W)	3.40	3.21	3.23	3.22	3.21	2.81	2.81	2.93
Moisture Removal		ℓ/hr.	3.61	3.61	3.61	3.61	3.61	3.22	2.81	3.16
Air Circulation (Max)		m <sup>3</sup> /min	2.0	3.1	0.7	1.0	1.5	1.8	2.4	0.7
Noise Level	Indoor High/Low	dB	13.8	17.1	7	7.5	9.5	13	17	7
	Outdoor High	dB	40/30	41/30	32/24	32/24	35/26	40/31	42/33	32/24
<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	1470	2120	635	855	1090	1850	2420	700
	Heating	W	1660	2160	581	803	1053	1800	2490	650
Operating Current	Cooling	A	6.8	9.5	3.1	4.1	5.4	8.3	10.8	3.2
	Heating	A	7.7	10	2.9	3.7	5.1	8.1	11.2	3.1
<b>Dimension &amp; Loading Q'ty</b>										
Net Dimension (W'H'D)	Indoor	mm	1065*298*230	1065*298*230	728*255*175	820*285*210	820*285*210	1065*298*225	1065*298*225	728*255*175
	Outdoor	mm	790*545*285	880*798*310	660*470*240	660*470*240	660*470*240	790*548*285	880*638*310	660*470*240
Net Weight	Indoor	kg	11.5	11.5	6.6	8	8.4	11.2	11.7	6.6
	Outdoor	kg	38	53.5	21.2	23.2	25.6	40	51.5	21.2
Shipping Weight	Indoor	kg	14.5	14.5	8.1	10	10.2	13.1	14.5	8.1
	Outdoor	kg	42	58	24.4	25.5	27.8	42.3	54.9	24.4
Loading Q'ty	W Pipe	20/40/40HC	78/162/181	52/108/124	134/275/315	117/240/274	117/240/274	78/162/181	63/131/149	134/275/315
	W/O Pipe	20/40/40HC	78/164/186	52/108/124	141/291/336	123/253/285	123/253/285	78/164/186	66/138/153	141/291/336
<b>Technical Information</b>										
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 12.7mm	Ø 15.88mm	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 9.52mm
Piping Length	Max	m	30	30	15	15	15	15	20	15
Piping Height	Max	m	15	15	7	7	7	8	8	7
<b>Features</b>										
Air Purification	S-Plasma ion		•	•	•	•	•	•	•	•
	Auto Roof Shutter		-	-	-	-	-	-	-	-
	Full HD Filter		80	80	80	80	80	80	80	80
	DNA Filter		-	-	-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-	-	-
	Allergy Care		•	•	•	•	•	•	•	•
	Anti-bacteria Coating		•	•	•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•	•	•
	Wide Twin Blade		•	•	•	•	•	•	•	•
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	•
	d'light Cool		•	•	•	•	•	•	•	•
	good'sleep		•	•	•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•	•	•
	Turbo		•	•	•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•	•	•
	Quiet Mode		•	•	•	•	•	•	•	•
	Smart wifi		•	•	-	-	-	-	-	-
Convenience	Filter Cleaning Indicator		-	-	-	-	-	-	-	-
	Temp. Display		•	•						

			T-series (Boracay)				Crystal		
Model Code			AQ09T*ANSER	AQ12T*ANSER	AQ18T*ANSER	AQ24T*ANSER	AQ09E*GNSER	AQ12E*GNSER	
AC Type			HP	HP	HP	HP	HP	HP	
Refrigerant Type			R22	R22	R22	R22	R410A	R410A	
<b>Performance</b>									
Capacity	Cooling	Btu/hr. (min-max)	9,000	12,000	18,000	23,200	9,384	11,944	
		Kcal/hr. (min-max)	2,268	3,024	4,536	5,847	2,365	3,010	
		kW (min-max)	2.6	3.5	5.3	6.8	2.8	3.5	
		Btu/hr. (min-max)	9,800	13,000	19,500	24,500	9,896	12,968	
		Kcal/hr. (min-max)	2,470	3,276	4,914	6,174	2,494	3,268	
	kW (min-max)	2.871794872	3.80952381	5.714285714	7.179487179	2.9	3.8		
	Energy Efficiency	Cooling	EER(Btu/W)	9.0	9.5	9.5	9.3	11.0	11.0
		Heating	EER(W/W)	2.65	2.79	2.78	2.72	3.22	3.21
			COP(W/W)	2.93	3.28	3.01	2.71	3.61	3.61
	Moisture Removal		ℓ/hr.	1.0	1.5	1.8	2.4	1.0	1.5
Air Circulation (Max)		m <sup>3</sup> /min	7.5	9.5	13	17	7.5	9.5	
Noise Level	Indoor High/Low	dB	32/24	35/26	40/31	42/33	32/24	35/26	
	Outdoor High	dB	48	50	52	54	48	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	220-240/50/1	
Power Consumption	Cooling	W	995	1260	1900	2500	855	1090	
	Heating	W	980	1160	1900	2650	803	1053	
Operating Current	Cooling	A	4.6	5.8	9	12	4.1	5.4	
	Heating	A	4.4	5.3	9	12.5	3.7	5.1	
<b>Dimension &amp; Loading Q'ty</b>									
Net Dimension (W*H*D)	Indoor	mm	728*255*175	820*285*210	890*285*210	1065*298*225	820*285*190	820*285*190	
	Outdoor	mm	660*470*240	660*470*240	790*548*285	790*548*285	660*470*240	660*470*240	
Net Weight	Indoor	kg	8	8.4	9.6	11.5	8	8.6	
	Outdoor	kg	23.2	25.6	38	48	23.2	25.5	
Shipping Weight	Indoor	kg	10	10.2	11.6	14.5	10	10.6	
	Outdoor	kg	25.5	27.8	40.1	50	25.5	28.4	
Loading Q'ty	W Pipe	20/40/40HC	134/275/315	117/240/274	85/177/201	78/162/181	117/240/274	117/240/274	
	W/O Pipe	20/40/40HC	141/291/336	123/253/285	88/182/213	78/164/186	123/253/285	123/253/285	
<b>Technical Information</b>									
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 9.52mm	Ø 12.7mm	
Piping Length	Max	m	15	15	15	20	15	15	
Piping Height	Max	m	7	7	8	8	7	7	
<b>Features</b>									
Air Purification	S-Plasma ion		-	-	-	-	•	•	
	Auto Roof Shutter		-	-	-	-	-	-	
	Full HD Filter		80	80	80	80	80	80	
	DNA Filter		-	-	-	-	-	-	
	Deodorizing Filter		-	-	-	-	•	•	
	Catechin Filter		-	-	-	-	•	•	
	Allergy Care		-	-	-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	•	•	
	Auto Clean		•	•	•	•	•	•	
	Wide Twin Blade		-	-	-	-	-	-	
Air Flow	Optimal Single Blade		•	•	•	•	•	•	
	Fan speed(Steps)		4	4	4	4	4	4	
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual	
Operating Mode	Natural Breeze		•	•	•	•	•	•	
	d'light Cool		-	-	-	-	-	-	
	good'sleep		•	•	•	•	•	•	
	Smart Saver		•	•	•	•	•	•	
	Turbo		•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	
	Quiet Mode		-	-	-	-	-	-	
	Convenience	Smart wifi		-	-	-	-	-	-
Filter Cleaning Indicator			-	-	-	-	•	•	
Temp. Display			-	-	-	-	•	•	
Remote Controller			•	•	•	•	•	•	
Display On/Off			-	-	-	-	•	•	
Beep On/Off			-	-	-	-	•	•	
Real-time Timer			-	-	-	-	-	-	
24-Hour Timer			•	•	•	•	•	•	
Auto Restart			•	•	•	•	•	•	
Auto Changeover			•	•	•	•	•	•	
Outdoor Unit	Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	
	Anti-corrosion Fin		•	•	•	•	•	•	
	Multi-channel Condensor		-	-	-	-	-	-	
Low Ambient	Cooling	°C	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	

				Crystal				Max			
Model Code		AC Type		AQ09EWENSER	AQ12EWENSER	AQ18EWENSER	AQ24EWENSER	AQ07UGFNSEER	AQ09UGFNSEER	AQ12UGFNSEER	AQ18UGFNSEER
Refrigerant Type		HP		R22	R22	R22	R22	R410A	R410A	R410A	R410A
<b>Performance</b>											
Capacity	Cooling	Btu/hr. (min-max)	9,500	12,000	18,000	23,200	6,996	9,384	11,944	17,745	
		Kcal/hr. (min-max)	2,394	3,024	4,536	5,847	1,763	2,365	3,010	4,472	
		kW (min-max)	2.8	3.5	5.3	6.8	2.1	2.8	3.5	5.2	
		Btu/hr. (min-max)	10,000	13,000	19,500	24,500	7,166	9,896	12,968	19,793	
		Kcal/hr. (min-max)	2,520	3,276	4,914	6,174	1,806	2,494	3,268	4,988	
	kW (min-max)	2.9	3.8	5.7	7.2	2.1	2.9	3.8	5.8		
	Energy Efficiency	Cooling	EER(Btu/W)	9.5	9.5	9.5	9.3	11.0	11.0	11.0	9.6
		Heating	EER(W/W)	2.78	2.79	2.78	2.72	3.23	3.22	3.21	2.81
			COP(W/W)	3.26	3.28	3.01	2.71	3.61	3.61	3.61	3.22
	Moisture Removal		ℓ/hr.	1.0	1.5	1.8	2.4	0.7	1.0	1.5	1.8
Air Circulation (Max)		m <sup>3</sup> /min	7.5	9.5	13	17	7	7.5	9.5	13	
Noise Level	Indoor High/Low	dB	32/24	35/26	40/31	42/33	32/24	32/24	32/24	35/26	40/31
	Outdoor High	dB	48	50	52	54	47	48	50	52	
<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
Power Consumption	Cooling	W	1000	1260	1900	2500	635	855	1090	1850	
	Heating	W	900	1160	1900	2650	581	803	1053	1800	
Operating Current	Cooling	A	4.6	5.8	9	12	3.1	4.1	5.4	8.3	
	Heating	A	4.2	5.3	9	12.5	2.9	3.7	5.1	8.1	
<b>Dimension &amp; Loading Q'ty</b>											
Net Dimension (W*H*D)	Indoor	mm	728*255*185	820*285*190	890*285*190	1065*298*222	728*255*175	820*285*190	820*285*190	1065*298*222	
	Outdoor	mm	660*470*240	660*470*240	790*548*285	790*548*285	660*470*240	660*470*240	660*470*240	790*548*285	
Net Weight	Indoor	kg	8	8.6	9.5	11.5	6.6	8	8.4	11.1	
	Outdoor	kg	23.2	25.5	37.8	48	21.2	23.2	25.6	40	
Shipping Weight	Indoor	kg	10	10.6	11.5	14.5	8.1	10	10.2	13.1	
	Outdoor	kg	25.5	28.4	40.8	50	24.4	25.5	27.8	42.3	
Loading Q'ty	W Pipe	20/40/40HC	128/276/304	117/240/274	89/190/216	78/162/181	134/275/315	117/240/274	117/240/274	78/162/181	
	W/O Pipe	20/40/40HC	142/299/336	123/253/285	96/204/229	78/164/186	141/291/336	123/253/285	123/253/285	78/164/186	
<b>Technical Information</b>											
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm
Piping Length	Max	m	15	15	15	20	15	15	15	15	
Piping Height	Max	m	7	7	7	8	7	7	7	8	
<b>Features</b>											
Air Purification	S-Plasma ion		•	•	•	•	•	•	•	•	•
	Auto Roof Shutter		-	-	-	-	-	-	-	-	-
	Full HD Filter		80	80	80	80	60	60	60	60	
	DNA Filter		-	-	-	-	-	-	-	-	
	Deodorizing Filter		•	•	•	•	•	•	•	•	
	Catechin Filter		•	•	•	•	•	•	•	•	
	Allergy Care		-	-	-	-	-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	•	•	•	•	
	Auto Clean		•	•	•	•	•	•	•	•	
	Wide Twin Blade		-	-	-	-	-	-	-	-	
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•	•	
	Fan speed(Steps)		4	4	4	4	4	4	4	4	
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	•	
	d'light Cool		-	-	-	-	-	-	-	-	
	good'sleep		•	•	•	•	•	•	•	•	
	Smart Saver		•	•	•	•	•	•	•	•	
	Turbo		•	•	•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	•	•	
	Quiet Mode		-	-	-	-	-	-	-	-	
	Convenience	Smart wifi		-	-	-	-	-	-	-	-
Filter Cleaning Indicator			-	-	-	-	•	•	•	•	
Temp. Display			-	-	-	-	•	•	•	•	
Remote Controller			•	•	•	•	•	•	•	•	
Display On/Off			-	-	-	-	•	•	•	•	
Beep On/Off			-	-	-	-	•	•	•	•	
Real-time Timer			-	-	-	-	-	-	-	-	
24-Hour Timer			•	•	•	•	•	•	•	•	
Auto Restart			•	•	•	•	•	•	•	•	
Auto Changeover			•	•	•	•	•	•	•	•	
Outdoor Unit	Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	
	Anti-corrosion Fin		•								

			Max						
Model Code			AQ24UGFNSER	AQ07UGENSER	AQ09UGENSER	AQ12UGENSER	AQ18UGENSER	AQ24UGENSER	
AC Type			HP	HP	HP	HP	HP	HP	
Refrigerant Type			R410A	R22	R22	R22	R22	R22	
<b>Performance</b>									
Capacity	Cooling	Btu/hr.	23,205	7,000	9,000	12,000	18,000	23,200	
		(min-max)	-	-	-	-	-	-	
		Kcal/hr.	5,848	1,764	2,268	3,024	4,536	5,847	
		(min-max)	-	-	-	-	-	-	
		kW	6.8	2.1	2.6	3.5	5.3	6.8	
		(min-max)	-	-	-	-	-	-	
	Heating	Btu/hr.	23,888	7,000	9,800	13,000	19,500	24,500	
		(min-max)	-	-	-	-	-	-	
		Kcal/hr.	6,020	1,764	2,470	3,276	4,914	6,174	
		(min-max)	-	-	-	-	-	-	
		kW	7	2.1	2.9	3.8	5.7	7.2	
		(min-max)	-	-	-	-	-	-	
Energy Efficiency	Cooling	EER(Btu/W)	9.6	10.0	9.0	9.5	9.5	9.3	
		EER(W/W)	2.81	2.93	2.65	2.79	2.78	2.72	
	Heating	COP(W/W)	2.81	3.16	2.93	3.28	3.01	2.71	
Moisture Removal	ℓ/hr.	2.4	0.7	1.0	1.5	1.8	2.4		
Air Circulation (Max)	m <sup>3</sup> /min	17	7	7.5	9.5	13	17		
Noise Level	Indoor High/Low	dB	42/33	32/24	32/24	35/26	40/31	42/33	
	Outdoor High	dB	54	47	48	50	52	54	
<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	
Power Consumption	Cooling	W	2420	700	995	1260	1900	2500	
	Heating	W	2490	650	980	1160	1900	2650	
Operating Current	Cooling	A	10.8	3.2	4.6	5.8	9	12	
	Heating	A	11.2	3.1	4.4	5.3	9	12.5	
<b>Dimension &amp; Loading Q'ty</b>									
Net Dimension (W'H'D)	Indoor	mm	1065*298*222	728*255*185	728*255*185	820*285*190	820*285*190	1065*298*222	
	Outdoor	mm	880*638*310	660*470*240	660*470*240	660*470*240	790*548*285	790*548*285	
Net Weight	Indoor	kg	11.8	6.6	8	8.4	9.4	11.8	
	Outdoor	kg	56	21.2	23.2	25.6	37.7	52	
Shipping Weight	Indoor	kg	13.8	8.1	10	10.2	10.9	13.8	
	Outdoor	kg	58	24.4	25.5	27.8	40.7	55.7	
Loading Q'ty	W Pipe	20/40/40HC	63/131/149	134/275/315	134/275/315	117/240/274	85/177/201	78/162/181	
	W/O Pipe	20/40/40HC	66/138/153	141/291/336	141/291/336	123/253/285	88/182/213	78/164/186	
<b>Technical Information</b>									
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	Ø 15.88mm	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	
Piping Length	Max	m	20	15	15	15	15	20	
Piping Height	Max	m	8	7	7	7	7	8	
<b>Features</b>									
Air Purification	S-Plasma ion		-	-	-	-	-	-	
	Auto Roof Shutter		-	-	-	-	-	-	
	Full HD Filter		60	60	60	60	60	60	
	DNA Filter		-	-	-	-	-	-	
	Deodorizing Filter		-	-	-	-	-	-	
	Catechin Filter		-	-	-	-	-	-	
	Allergy Care		-	-	-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	•	•	
	Auto Clean		•	•	•	•	•	•	
	Air Flow	Wide Twin Blade		-	-	-	-	-	-
		Optimal Single Blade		•	•	•	•	•	•
		Fan speed(Steps)		4	4	4	4	4	4
Air Direction (Up/Down)			Auto	Auto	Auto	Auto	Auto	Auto	
Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual		
Natural Breeze		•	•	•	•	•	•		
Operating Mode	d'light Cool		-	-	-	-	-	-	
	good'sleep		•	•	•	•	•	•	
	Smart Saver		•	•	•	•	•	•	
	Turbo		•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	
	Quiet Mode		-	-	-	-	-	-	
	Convenience	Smart wifi		-	-	-	-	-	-
		Filter Cleaning Indicator		-	-	-	-	-	-
Temp. Display			-	-	-	-	-	-	
Remote Controller			•	•	•	•	•	•	
Display On/Off			-	-	-	-	-	-	
Beep On/Off			-	-	-	-	-	-	
Real-time Timer			-	-	-	-	-	-	
24-Hour Timer			•	•	•	•	•	•	
Auto Restart			•	•	•	•	•	•	
Auto Changeover			•	•	•	•	•	•	
Outdoor Unit	Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	
	Anti-corrosion Fin		•	•	•	•	•	•	
	Multi-channel Condenser		-	-	-	-	-	-	
Low Ambient	Cooling	°C	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	

		Vivace		WAC			
Model Code		AQ09VBFNSER	AQ12VBFNSER	AW05N0DSER	AW07N0DSER		
AC Type		HP	HP	CO	CO		
Refrigerant Type		R22	R22	R22	R22		
<b>Performance</b>							
Capacity	Cooling	Btu/hr.	9,000	12,000	5000	7000	
		(min-max)	-	-	-	-	
		Kcal/hr.	2,268	3,024	1260	1764	
		(min-max)	-	-	-	-	
		kW	2.6	3.5	1.47	2.05	
		(min-max)	-	-	-	-	
	Heating	Btu/hr.	10,000	13,000	-	-	
		(min-max)	-	-	-	-	
		Kcal/hr.	2,520	3,276	-	-	
		(min-max)	-	-	-	-	
		kW	2.9	3.8	-	-	
		(min-max)	-	-	-	-	
Energy Efficiency	Cooling	EER(Btu/W)	9.2	9.2	8.6	9.6	
		EER(W/W)	2.69	2.70	2.52	2.81	
	Heating	COP(W/W)	3.26	3.28	-	-	
Moisture Removal	ℓ/hr.	1.0	1.5	0.7	0.9		
Air Circulation (Max)	m <sup>3</sup> /min	7.5	9.5	3.8	5.4		
Noise Level	Indoor High/Low	dB	32/24	35/26	53	57	
	Outdoor High	dB	47	48	57	59	
<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	980	1300	580	730	
	Heating	W	900	1160	-	-	
Operating Current	Cooling	A	4.6	5.8	2.5	3.2	
	Heating	A	4.1	5.3	-	-	
<b>Dimension &amp; Loading Q'ty</b>							
Net Dimension (W'H'D)	Indoor	mm	825*285*189	825*285*189	435*283*326	490*320*460	
	Outdoor	mm	660*470*240	660*470*240	-	-	
Net Weight	Indoor	kg	9	9.7	15.5	21	
	Outdoor	kg	24.3	26.8	-	-	
Shipping Weight	Indoor	kg	11	11.6	17	24	
	Outdoor	kg	26.8	29.3	-	-	
Loading Q'ty	W Pipe	20/40/40HC	117/259/287	117/259/287	476/959/1096	220/460/552	
	W/O Pipe	20/40/40HC	126/271/320	126/271/320	-	-	
<b>Technical Information</b>							
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	-	-	
	Gas	OD	Ø 9.52mm	Ø 12.7mm	-	-	
Piping Length	Max	m	15	20	-	-	
Piping Height	Max	m	7	7	-	-	
<b>Features</b>							
Air Purification	S-Plasma ion		•	•	-	-	
	Auto Roof Shutter		-	-	-	-	
	Full HD Filter		60	60	60	60	
	DNA Filter		-	-	-	-	
	Deodorizing Filter		•	•	-	-	
	Catechin Filter		•	•	-	-	
	Allergy Care		-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	
	Auto Clean		•	•	-	-	
	Air Flow	Wide Twin Blade		-	-	-	-
		Optimal Single Blade		•	•	-	-
		Fan speed(Steps)		4	4	2	3
Air Direction (Up/Down)			Auto	Auto	-	Manual	
Air Direction (Left/Right)		Manual	Manual	Manual	Manual		
Natural Breeze		•	•	-	-		
Operating Mode	d'light Cool		-	-	-	-	
	good'sleep		•	•	-	-	
	Smart Saver		•	•	-	-	
	Turbo		•	•	-	-	
	Dehumidification		•	•	-	-	
	Auto Mode		•	•	-	-	
	Fan Mode		•	•	-	-	
	Quiet Mode		-	-	-	-	
	Convenience	Smart wifi		-	-	-	-
		Filter Cleaning Indicator		-	-	-	-
Temp. Display			•	•	-	-	
Remote Controller			•	•	-	-	
Display On/Off			-	-	-	-	
Beep On/Off			-	-	-	-	
Real-time Timer			-	-	-	-	
24-Hour Timer			•	•	-	-	
Auto Restart			•	•	-	-	
Auto Changeover			•	•	-	-	
Outdoor Unit	Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY	
	Anti-corrosion Fin		•	•	-	-	
	Multi-channel Condenser		-	-	-	-	
Low Ambient	Cooling	°C	15-43	15-43	21-43	21-43	
	Heating	°C	-5-24	-5-24	-	-	

# America

			K-series (Jungfrau-F)			Y-series (Jungfrau-P)		
Model Code			AQV12K*BAXAX	AQV18K*BAXAX	AQV09Y*BANXLA	AQV12Y*BANXLA	AQV18Y*BANXLA	AQV12Y*BAXAX
AC Type			INV. HP	INV. HP	INV. HP	INV. HP	INV. HP	INV. HP
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
<b>Performance</b>								
Capacity	Cooling	Btu/hr.	11,942	17,060	9,000	12,000	18,015	12,000
		(min-max)	3378-13648	5459-20472	3,400 - 11,300	3,400 - 13,600	5,500 - 20,500	3,400 - 13,600
		Kcal/hr.	3,010	4,300	2,268	3,024	4,536	3,024
		(min-max)	850-3870	1380-5160	850-2750	850-3870	1380-5160	850-3870
		kW	3.5	5	2.64	3.5	5.3	3.5
		(min-max)	0.99-4.0	1.6-6.0	0.99-3.3	0.99-4.0	1.6-6.0	0.99-4.0
	Heating	Btu/hr.	13,648	20,472	10,900	13,600	20,472	13,600
		(min-max)	3378-22519	4094-25590	3,400-16,000	3,400 - 18,400	4,100 - 25,600	3,400 - 18,400
		Kcal/hr.	3,440	5,160	2,747	3,428	5,160	3,428
		(min-max)	850-6020	1030-6450	850-4040	830-4640	1030-6450	830-4640
		kW	4.0	6.0	3.2	4.0	6.0	4.0
		(min-max)	0.99-6.6	1.2-7.5	0.99-4.7	0.97-5.4	1.2-7.5	0.97-5.4
Energy Efficiency	Cooling	EER(Btu/W)	15.4	11.0	16.4	14.0	11.0	14.0
	Heating	COP(W/W)	4.50	3.21	4.80	4.10	3.21	4.10
Moisture Removal		ℓ/hr.	1.3	2.0	1.3	1.1	2.0	1.1
Air Circulation (Max)		m <sup>3</sup> /min	10.1	14.4	12.5	11.0	14.4	11.0
Noise Level	Indoor High/Low	dB	41/20	43/26	39/21	41/21	43/26	41/21
	Outdoor High	dB	45	50	45	45	50	45
<b>Electrical Data</b>								
Power Source		V/Hz/Ø	220-240/50/1	220-240/50/1	220/60/1	220/60/1	220/60/1	220-240/50/1
Power Consumption	Cooling	W	780	1560	520	850	1560	850
	Heating	W	890	1660	670	980	1660	980
Operating Current	Cooling	A	3.8	7.4	2.5	3.9	7.4	3.9
	Heating	A	4.1	7.7	3.1	4.5	7.7	4.5
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W*H*D)	Indoor	mm	880*313*237	880*313*237	880*313*237	880*313*237	880*313*237	880*313*237
	Outdoor	mm	790*545*285	790*545*285	790*545*285	790*545*285	790*545*285	790*545*285
Net Weight	Indoor	kg	12.1	12.4	11.2	11.2	12.4	10.5
	Outdoor	kg	35.5	37.7	31.2	31.2	37.7	31.2
Shipping Weight	Indoor	kg	14.7	14.9	13.9	13.9	14.9	13
	Outdoor	kg	38.6	40.8	34.3	34.3	40.8	34.3
Loading Q'ty	W Pipe	20/40/40HC	83/172/198	83/172/198	83/172/198	83/172/198	83/172/198	83/172/198
	W/O Pipe	20/40/40HC	84/174/198	84/174/198	84/174/198	84/174/198	84/174/198	83/172/198
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 9.52mm	Ø 12.7mm	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	Ø 9.52mm
Piping Length	Max	m	15	30	15	30	15	30
Piping Height	Max	m	8	15	8	8	15	8
<b>Features</b>								
Air Purification	S-Plasma ion		•	•	•	•	•	•
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		90	90	90	90	90	90
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		•	•	•	•	•	•
	Anti-bacteria Coating		-	-	-	-	-	-
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		•	•	•	•	•	•
Air Flow	Optimal Single Blade		-	-	-	-	-	-
	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Auto	Auto	Auto	Auto	Auto	Auto
Operating Mode	Natural Breeze		•	•	•	•	•	•
	d'light Cool		•	•	•	•	•	•
	good'sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		•	•	•	•	•	•
	Filter Cleaning Indicator		-	-	-	-	-	-
Convenience	Temp. Display		•	•	•	•	•	•
	Remote Controller		•	•	•	•	•	•
	Display On/Off		•	•	•	•	•	•
	Beep On/Off		•	•	•	•	•	•
	Real-time Timer		•	•	•	•	•	•
	24-Hour Timer		-	-	-	-	-	-
	Auto Restart		•	•	•	•	•	•
	Auto Changeover		•	•	•	•	•	•
	Compressor Type		Twin BLDC	Twin BLDC	BLDC	BLDC	Twin BLDC	BLDC
	Anti-corrosion Fin		•	•	•	•	•	•
Low Ambient	Cooling	°C	-10-46	-10-46	-10-46	-10-46	-10-46	-10-46
	Heating	°C	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24

			Y-series (Jungfrau-P)				P-series (Maldives)			
Model Code			AQV18Y*BAXAX	ASV09PSBTXAZ	ASV12PSBTXAZ	ASV18PSBTXAZ	ASV24PSBTXAZ	AQV09PSBTXAZ	AQV12PSBTXAZ	AQV18PSBTXAZ
AC Type			INV. HP	INV. CO	INV. CO	INV. CO	INV. CO	INV. HP	INV. HP	INV. HP
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
<b>Performance</b>										
Capacity	Cooling	Btu/hr.	18,015	9,000	12,000	18,000	24,000	9,000	12,000	18,000
		(min-max)	5,500 - 20,500	2600-10900	2600-13000	4100-21200	7500-27300	2600-10900	2600-13000	5500-20500
		Kcal/hr.	4,536	2,268	3,025	4,535	6,048	2,268	3,025	4,536
		(min-max)	1380-5160	650-2750	650-3270	1030-5330	1890-6880	650-2750	650-3270	1380-5160
		kW	5.3	2.638	3.516	5.274	7.032	2.638	3.52	5.27
		(min-max)	1.6-6.0	0.75-3.2	0.75-3.8	1.2-6.2	2.2-8.0	0.75-3.2	0.75-3.8	1.6-6.0
	Heating	Btu/hr.	20,472	-	-	-	-	9,000	12,000	18,000
		(min-max)	4,100 - 25,600	-	-	-	-	3200-14000	3200-16400	4100-25600
		Kcal/hr.	5,160	-	-	-	-	2,268	3,025	4,536
		(min-max)	1030-6450	-	-	-	-	820-3530	820-4130	1030-6450
		kW	6.0	-	-	-	-	2.638	3.52	5.27
		(min-max)	1.2-7.5	-	-	-	-	0.95-4.1	0.95-4.8	1.2-7.5
Energy Efficiency	Cooling	EER(Btu/W)	11.0	11.12	11.02	11.23	11.0	11.0	11.1	
	Heating	COP(W/W)	3.21	3.26	3.23	3.29	3.23	3.26	3.23	
Moisture Removal		ℓ/hr.	3.61	-	-	-	-	3.26	3.23	
Air Circulation (Max)		m <sup>3</sup> /min	2.0	1.0	1.4	2.5	3.0	1.0	1.1	
Noise Level	Indoor High/Low	dB	14.4	8.0	9.0	15.5	15.0	8.6	9.9	
	Outdoor High	dB	43/26	36/21	38/21	46/33	47/33	36/21	38/21	
<b>Electrical Data</b>										
Power Source		V/Hz/Ø	220-240/50/1	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	1560	807	1078	1514	2130	807	1078	1514
	Heating	W	1660	-	-	-	-	807	1078	1514
Operating Current	Cooling	A	7.4	4.2	5	7.6	9.7	4.2	5	7.6
	Heating	A	7.7	-	-	-	-	4.6	5.4	7.9
<b>Dimension &amp; Loading Q'ty</b>										
Net Dimension (W*H*D)	Indoor	mm	880*313*237	820*285*205	820*285*205	1065*298*230	1065*298*230	820*285*205	820*285*205	1065*298*230
	Outdoor	mm	790*545*285	720*548*265	720*548*265	790*545*285	880*638*310	720*548*265	720*548*265	790*545*285
Net Weight	Indoor	kg	11.2	8.2	8.2	11.5	11.5	8.2	8.2	11.5
	Outdoor	kg	37.7	26.5	27.5	33	42	26.5	27.5	36
Shipping Weight	Indoor	kg	13.8	9.8	10.2	14.5	14.5	10.2	10.2	14.5
	Outdoor	kg	40.8	29.5	30.5	38	47.1	29.5	30.5	40
Loading Q'ty	W Pipe	20/40/40HC	83/172/198	93/193/225	93/193/225	78/162/181	63/131/149	93/193/225	93/193/225	78/162/181
	W/O Pipe	20/40/40HC	83/172/198	95/200/232	95/200/232	78/164/186	66/138/153	95/200/232	95/200/232	78/164/186
<b>Technical Information</b>										
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	Ø 15.88mm	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm
Piping Length	Max	m	30	15	15	30	30	15	15	30
Piping Height	Max	m	15	7	7	15	15	7	7	15
<b>Features</b>										
Air Purification	S-Plasma ion		•	•	•	•	•	•	•	•
	Auto Roof Shutter		-	-	-	-	-	-	-	-
	Full HD Filter		90	80	80	80	80	80	80	80
	DNA Filter		-	-	-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-	-	-
	Allergy Care		•	•	•	•	•	•	•	•
	Anti-bacteria Coating		-	-	-	-	-	-	-	-
	Auto Clean		•	•	•	•	•	•	•	•
	Wide Twin Blade		•	•	•	•	•	•	•	•
Air Flow	Optimal Single Blade		-	-	-	-	-	-	-	-
	Fan speed(Steps)		4	4	4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Auto	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	•
	d'light Cool		•	•	•	•	•	•	•	•
	good'sleep		•	•	•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•	•	•
	Turbo		•	•	•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•	•	•



# America

			P-series(Maldives)					
Model Code			AQV24PSBTXAZ	ASV09P*BBNXL	ASV12P*BBNXL	ASV09P*BANXL	ASV12P*BANXL	ASV18P*BANXL
AC Type			INV. HP	INV. CO	INV. CO	INV. CO	INV. CO	INV. CO
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
<b>Performance</b>								
Capacity	Cooling	Btu/hr.	24,000	9,000	12,000	9,000	12,000	18,000
		(min-max)	7500-27300	3400-11300	3400-13600	2,600-10,900	2,600-13,000	4,100-21,200
		Kcal/hr.	6,048	2,280	3,025	2,260	3,024	4,536
		(min-max)	1890-6880	850-2840	850-3440	650-2750	650-3270	1380-5160
		kW	7.03	2.650	3.530	2.65	3.53	5.29
		(min-max)	2.2-8.0	0.99-3.3	0.99-4.0	0.75-3.2	0.75-3.8	1.2-6.2
	Heating	Btu/hr.	24,000	-	-	-	-	-
		(min-max)	6500-34100	-	-	-	-	-
		Kcal/hr.	6,048	-	-	-	-	-
		(min-max)	1630-8600	-	-	-	-	-
		kW	7.03	-	-	-	-	-
		(min-max)	1.9-10.0	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	11.0	13.72	12.62	12.3	11.7	12.3
	Heating	EER(W/W)	3.23	4.02	3.70	3.61	3.43	3.60
Moisture Removal		ℓ/hr.	3.1	1.0	1.4	1.0	1.1	2.0
	Air Circulation (Max)	m <sup>3</sup> /min	17.1	8.0	9.0	8.6	9.9	14.4
Noise Level	Indoor High/Low	dB	50/33	36/21	38/21	36/21	38/21	43/26
	Outdoor High	dB	60	46	46	45	45	50
<b>Electrical Data</b>								
Power Source		V/Hz/Ø	220/60/1	220/60/1	220/60/1	220/60/1	220/60/1	220/60/1
Power Consumption	Cooling	W	2130	660	954	735	1030	1470
	Heating	W	2130	-	-	-	-	-
Operating Current	Cooling	A	9.7	3.6	4.8	3.8	4.8	6.8
	Heating	A	10.2	-	-	-	-	-
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W*H*D)	Indoor	mm	1065*298*230	820*285*205	820*285*205	820*285*205	820*285*205	1065*298*230
	Outdoor	mm	880*798*310	720*548*265	720*548*265	720*548*265	720*548*265	790*545*285
Net Weight	Indoor	kg	11.5	8.2	8.2	8.2	8.2	11.5
	Outdoor	kg	59.2	32.2	27.5	26.5	27.5	33
Shipping Weight	Indoor	kg	14.5	10.4	10.2	9.8	10.2	14.5
	Outdoor	kg	64.8	37	30.5	29.5	30.5	38
Loading Q'ty	W Pipe	20/40/40HC	52/108/124	83/172/198	83/172/198	93/193/225	93/193/225	78/162/181
	W/O Pipe	20/40/40HC	52/108/124	84/184/210	84/184/210	95/200/232	95/200/232	78/164/186
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 15.88mm	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm
Piping Length	Max	m	30	15	15	15	15	30
Piping Height	Max	m	15	7	7	7	7	15
<b>Features</b>								
Air Purification	S-Plasma ion		•	•	•	•	•	•
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		80	80	80	80	80	80
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		•	•	•	•	•	•
Air Flow	Optimal Single Blade		•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual
Operating Mode	Natural Breeze		•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		•	•	•	•	•	•
	Filter Cleaning Indicator		-	-	-	-	-	-
Convenience	Temp. Display		-	-	-	-	-	-
	Remote Controller		•	•	•	•	•	•
	Display On/Off		-	-	-	-	-	-
	Beep On/Off		-	-	-	-	-	-
	Real-time Timer		-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•
	Auto Changeover		•	•	•	•	•	•
	Compressor Type		Twin BLDC	BLDC	BLDC	BLDC	BLDC	Twin BLDC
	Anti-corrosion Fin		•	•	•	•	•	•
Low Ambient	Cooling	°C	-10-46	16-46	16-46	16-46	16-46	-10-46
	Heating	°C	-15-24	-	-	-	-	-

			P-series(Maldives)							
Model Code			ASV24P*BANXL	ASV09P*BAXAX	AQV12P*BAXAX	ASV12P*BAXAX	AQV18P*BAXAX	ASV18P*BAXAX	AQV24P*BAXAX	ASV24P*BAXAX
AC Type			INV. CO	INV. CO	INV. HP	INV. CO	INV. HP	INV. CO	INV. HP	INV. CO
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
<b>Performance</b>										
Capacity	Cooling	Btu/hr.	24,000	8,500	11,300	11,300	17,060	17,060	23,202	23,202
		(min-max)	7,500-27,300	2,259-10,918	2,559-12,966	2,559-12,966	5,459-20,472	5,459-20,472	7,506-27,296	7,506-27,296
		Kcal/hr.	6,048	2,150	2,838	2,838	4,300	4,300	5,848	5,848
		(min-max)	1,890-6,880	650-2,750	650-3,270	650-3,270	1,380-5,160	1,380-5,160	1,890-6,880	1,890-6,880
		kW	7.03	2.5	3.3	3.3	5	5	6.8	6.8
		(min-max)	2.2-8.0	0.75-3.2	0.75-3.8	0.75-3.8	1.6-6.0	1.6-6.0	2.2-8.0	2.2-8.0
	Heating	Btu/hr.	24,000	-	-	-	13,600	-	26,614	-
		(min-max)	6,500-34,100	-	-	-	3,241-16,378	-	6,483-34,120	-
		Kcal/hr.	6,048	-	-	-	3,440	-	6,708	-
		(min-max)	1,630-8,600	-	-	-	820-4,130	-	1,630-8,600	-
		kW	7.03	-	-	-	4.0	-	7.8	-
		(min-max)	1.9-10.0	-	-	-	0.95-4.8	-	1.9-10.0	-
Energy Efficiency	Cooling	EER(Btu/W)	11.3	12.3	11.0	11.6	12.3	10.3	11.0	
	Heating	EER(W/W)	3.32	3.60	3.21	3.40	3.21	3.01	3.21	
Moisture Removal		ℓ/hr.	3.1	1.0	1.1	1.1	2.0	3.1	3.1	
	Air Circulation (Max)	m <sup>3</sup> /min	17.1	8.6	9.9	9.9	13.8	17.1	17.1	
Noise Level	Indoor High/Low	dB	41/30	36/21	38/21	38/21	40/30	41/30	41/30	
	Outdoor High	dB	55	45	45	45	53	53	55	
<b>Electrical Data</b>										
Power Source		V/Hz/Ø	220/60/1	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	2120	735	1028	1028	1047	1047	2120	2120
	Heating	W	-	-	1108	-	1660	-	2160	-
Operating Current	Cooling	A	9.5	3.8	4.8	4.8	6.8	6.8	9.5	9.5
	Heating	A	-	-	5.2	-	7.7	-	10	-
<b>Dimension &amp; Loading Q'ty</b>										
Net Dimension (W*H*D)	Indoor	mm	1065*298*230	820*285*205	820*285*205	820*285*205	1065*298*230	1065*298*230	1065*298*230	1065*298*230
	Outdoor	mm	880*638*310	720*548*265	720*548*265	720*548*265	790*545*285	790*545*285	880*798*310	880*798*310
Net Weight	Indoor	kg	11.5	8.8	8.8	8.8	11.5	11.5	13	13
	Outdoor	kg	42	28	28	28	36	33	59.2	59.2
Shipping Weight	Indoor	kg	14.5	10.8	10.8	10.8	14.5	14.5	16	16
	Outdoor	kg	47.1	35	36	35	40	38	64.8	62
Loading Q'ty	W Pipe	20/40/40HC	63/131/149	96/205/233	93/193/225	93/193/225	78/162/181	78/162/181	52/108/134	63/131/149
	W/O Pipe	20/40/40HC	66/138/153	106/231/259	95/200/232	95/200/232	78/164/186	78/164/186	52/108/124	66/138/153
<b>Technical Information</b>										
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm
Piping Length	Max	m	30	15	15	15	30	30	30	30
Piping Height	Max	m	15	8	8	8	15	15	15	15
<b>Features</b>										
Air Purification	S-Plasma ion		•	•	•	•	•	•	•	•
	Auto Roof Shutter		-	-	-	-	-	-	-	-
	Full HD Filter		80	80	80	80	80	80	80	80
	DNA Filter		-	-	-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•	•	•
	Wide Twin Blade		•	•	•	•	•	•	•	•
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•	•	•
	Turbo		•	•	•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•	•	•
	Quiet Mode		•	•	•	•	•	•	•	•
	Filter Cleaning Indicator		-	-	-	-	-	-	-	-
Convenience	Temp. Display		-	-	-	-	-	-	-	-
	Remote Controller		•	•	•	•	•	•	•	•
	Display On/Off		-	-	-	-	-			

# America

			T-series (Boracay)					
Model Code			AS09T*ACXAX	AS12T*AAXAX	AS12T*BAXAX	AQ12T*AAXAX	AQ12T*BCXAX	AS18T*BCXAX
AC Type			CO	CO	CO	HP	HP	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22
<b>Performance</b>								
Capacity	Cooling	Btu/hr.	9,000	12,000	12,000	12,000	12,000	17,850
		(min-max)	-	-	-	-	-	-
		Kcal/hr.	2,268	3,024	3,024	3,024	3,024	4,498
		(min-max)	-	-	-	-	-	-
		kW	2.6	3.5	3.5	3.5	3.5	5.2
		(min-max)	-	-	-	-	-	-
	Heating	Btu/hr.	-	-	-	13,000	13,000	-
		(min-max)	-	-	-	-	-	-
		Kcal/hr.	-	-	-	3,276	3,276	-
		(min-max)	-	-	-	-	-	-
		kW	-	-	-	3.8	3.8	-
		(min-max)	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	9.7	10.0	10.0	10.4	9.8	9.8
		EER(W/W)	2.84	2.93	2.93	3.06	2.88	2.86
	Heating	COP(W/W)	-	-	-	3.40	3.28	-
Moisture Removal		ℓ/hr.	1.0	1.2	1.2	1.2	1.8	
Air Circulation (Max)		m <sup>3</sup> /min	7.5	10	10	10	13	
Noise Level	Indoor High/Low	dB	33/25	35/26	35/26	35/26	35/26	40/31
	Outdoor High	dB	48	50	50	50	50	52
<b>Electrical Data</b>								
Power Source		V/Hz/Ø	115/60/1	115/60/1	220/60/1	115/60/1	220/60/1	220/60/1
Power Consumption	Cooling	W	930	1200	1200	1150	1220	1830
	Heating	W	-	-	-	1120	1160	-
Operating Current	Cooling	A	8.4	11.2	5.8	10.5	5.7	8.5
	Heating	A	-	-	-	10.5	5.4	-
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W*H*D)	Indoor	mm	728*255*175	820*285*210	820*285*210	820*285*210	820*285*210	890*285*210
	Outdoor	mm	660*470*240	660*470*240	660*470*240	720*548*265	720*548*265	720*548*265
Net Weight	Indoor	kg	6.6	8.4	8.4	8.3	8.4	9.2
	Outdoor	kg	22	24	24	30	30	33.6
Shipping Weight	Indoor	kg	8.2	10.4	10.2	10.2	10.4	11.6
	Outdoor	kg	24.4	26.5	27	33	33	39.3
Loading Q'ty	W Pipe	20/40/40HC	134/275/315	117/240/274	117/240/274	93/193/225	92/193/225	92/190/225
	W/O Pipe	20/40/40HC	141/291/336	123/253/285	123/253/285	95/200/232	95/200/232	92/190/230
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm
Piping Length	Max	m	15	15	15	15	15	15
Piping Height	Max	m	7	7	7	7	7	8
<b>Features</b>								
Air Purification	S-Plasma ion		-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		80	80	80	80	80	80
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual
Operating Mode	Natural Breeze		•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
	Convenience	Filter Cleaning Indicator		-	-	-	-	-
Temp. Display			-	-	-	-	-	-
Remote Controller			•	•	•	•	•	•
Display On/Off			-	-	-	-	-	-
Beep On/Off			-	-	-	-	-	-
Real-time Timer			-	-	-	-	-	-
24-Hour Timer			•	•	•	•	•	•
Auto Restart			•	•	•	•	•	•
Auto Changeover			-	-	-	-	-	-
Outdoor Unit		Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Anti-corrosion Fin		•	•	•	•	•	•
	Multi-channel Condensor		-	-	-	-	-	-
Low Ambient	Cooling	°C	15-43	15-43	15-43	15-43	15-43	15-43
	Heating	°C	-	-	-	-5-24	-5-24	-

			T-series (Boracay)							
Model Code			AQ18T*BCXAX	AS24T*BCXAX	AQ24T*BCXAX	AS09T*AANXLA	AS09T*BANXLA	AS12T*AANXLA	AS12T*BANXLA	AS18T*BANXLA
AC Type			HP	CO	HP	CO	CO	CO	CO	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22	R22	R22
<b>Performance</b>										
Capacity	Cooling	Btu/hr.	17,500	23,300	23,300	9,000	9,000	12,000	12,000	17,850
		(min-max)	-	-	-	-	-	-	-	-
		Kcal/hr.	4,410	5,872	5,872	2,268	2,268	3,024	3,024	4,498
		(min-max)	-	-	-	-	-	-	-	-
		kW	5.1	6.8	6.8	2.6	2.6	3.5	3.5	5.2
		(min-max)	-	-	-	-	-	-	-	-
	Heating	Btu/hr.	19,500	-	24,500	-	-	-	-	-
		(min-max)	-	-	-	-	-	-	-	-
		Kcal/hr.	4,914	-	6,174	-	-	-	-	-
		(min-max)	-	-	-	-	-	-	-	-
		kW	5.7	-	7.2	-	-	-	-	-
		(min-max)	-	-	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	9.7	9.8	9.8	9.7	10.0	10.0	10.0	9.8
		EER(W/W)	2.85	2.87	2.87	2.84	2.93	2.93	2.93	2.86
	Heating	COP(W/W)	3.17	-	3.00	-	-	-	-	-
Moisture Removal		ℓ/hr.	1.8	2.4	2.4	1.0	1.0	1.2	1.2	
Air Circulation (Max)		m <sup>3</sup> /min	13	17	17	7.5	7.5	10	10	
Noise Level	Indoor High/Low	dB	40/31	42/36	42/36	32/24	32/24	35/26	35/26	40/31
	Outdoor High	dB	52	54	54	48	48	50	50	52
<b>Electrical Data</b>										
Power Source		V/Hz/Ø	220/60/1	220/60/1	220/60/1	115/60/1	220/60/1	115/60/1	220/60/1	220/60/1
Power Consumption	Cooling	W	1800	2380	2380	930	900	1200	1200	1830
	Heating	W	1800	-	2500	-	-	-	-	-
Operating Current	Cooling	A	8.5	11.5	11.5	8.4	4.2	11.2	5.8	8.5
	Heating	A	8.5	-	12	-	-	-	-	-
<b>Dimension &amp; Loading Q'ty</b>										
Net Dimension (W*H*D)	Indoor	mm	890*285*210	1065*298*225	1065*298*225	728*255*175	728*255*175	820*285*210	820*285*210	890*285*190
	Outdoor	mm	790*548*285	790*548*285	880*638*310	660*245*475	660*245*475	660*245*475	660*245*475	720*548*265
Net Weight	Indoor	kg	9.4	12.6	11.8	6.4	6.4	8.4	8.4	9.2
	Outdoor	kg	43.8	39.8	49.4	22.5	22.5	24	24	33.6
Shipping Weight	Indoor	kg	11.6	14.7	14.6	8.2	8.2	10.4	10.2	11.6
	Outdoor	kg	47.8	43.8	54.2	25	25	26.5	27	39.3
Loading Q'ty	W Pipe	20/40/40HC	85/177/201	78/162/181	63/131/149	134/275/315	134/275/315	117/240/274	117/240/274	92/190/225
	W/O Pipe	20/40/40HC	88/182/213	78/164/186	66/138/153	141/291/336	141/291/336	123/253/285	123/253/285	92/190/230
<b>Technical Information</b>										
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm
Piping Length	Max	m	15	20	20	15	15	15	15	15
Piping Height	Max	m	8	8	8	7	7	7	7	8
<b>Features</b>										
Air Purification	S-Plasma ion		-	-	-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-	-	-
	Full HD Filter		80	80	80	80	80	80	80	80
	DNA Filter		-	-	-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•	•	•
	Turbo		•	•	•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-	-	-
	Convenience	Filter Cleaning Indicator		-	-	-	-	-	-	-
Temp. Display			-	-	-	-	-	-	-	-
Remote Controller			•	•	•	•	•	•	•	•
Display On/Off			-	-	-	-	-	-	-	-
Beep On/Off			-	-	-	-	-	-	-	-
Real-time Timer			-	-	-	-	-	-	-	-
24-Hour Timer			•	•	•	•	•	•	•	•
Auto Restart			•	•	•	•	•	•	•	•
Auto Changeover			-	-	-	-	-	-	-	-
Outdoor Unit		Compressor Type		ROTARY	ROTARY	ROTARY				



# America

			T-series (Boracay)					Crystal
Model Code			AS09TUBCXAP	AS12TUACXAP	AS12TUBCXAP	AS18TUBCXAP	AS24TUBCXAP	AQ12ESDAN2GAR
AC Type			CO	CO	CO	CO	CO	HP
Refrigerant Type			R22	R22	R22	R22	R22	R22
<b>Performance</b>								
Capacity	Cooling	Btu/hr. (min-max)	9,000	12,000	12,000	17,850	23,300	-
		Kcal/hr. (min-max)	3,024	3,024	3,024	4,498	6,048	-
		kW (min-max)	3.5	3.5	3.5	5.2	7.0	3.50
	Heating	Btu/hr. (min-max)	-	-	-	-	-	-
		Kcal/hr. (min-max)	-	-	-	-	-	-
		kW (min-max)	-	-	-	-	-	3.80
Energy Efficiency	Cooling	EER(Btu/W)	10.0	10.0	10.0	9.8	9.8	-
	Heating	EER(W/W)	2.93	2.93	2.93	2.86	2.88	2.85
Moisture Removal		ℓ/hr.	1.2	1.2	1.2	1.8	2.4	1.1
Air Circulation (Max)		m <sup>3</sup> /min	10	10	10	13	17	10
Noise Level	Indoor High/Low	dB	35/26	35/26	35/26	40/31	42/33	35/26
	Outdoor High	dB	50	50	50	52	54	50
<b>Electrical Data</b>								
Power Source		V/Hz/Ø	220/60/1	115/60/1	220/60/1	220/60/1	220/60/1	220/50/1
Power Consumption	Cooling	W	900	1,200	1,200	1,830	2,380	1,230
	Heating	W	-	-	-	-	-	1,180
Operating Current	Cooling	A	4.2	11.2	5.8	8.5	11.5	5.7
	Heating	A	-	-	-	-	-	5.5
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W*H*D)	Indoor	mm	728*255*175	820*285*210	820*285*210	890*285*190	1065*298*222	820*285*210
	Outdoor	mm	660*245*475	660*245*475	660*245*475	720*548*265	790*548*285	720*265*548
Net Weight	Indoor	kg	6.4	8.4	8.4	9.2	11.5	8.6
	Outdoor	kg	22.5	24	24	33.6	40	33.8
Shipping Weight	Indoor	kg	8.2	10.4	10.2	11.6	14.5	10.6
	Outdoor	kg	25	26.5	27	39.3	45	38
Loading Q'ty	W Pipe	20/40/40HC	134/275/315	117/240/274	117/240/274	92/190/225	78/162/181	93/193/225
	W/O Pipe	20/40/40HC	141/291/336	123/253/285	123/253/285	92/190/230	78/164/186	95/200/232
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	1/4"
	Gas	OD	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	1/2"
Piping Length	Max	m	15	15	15	15	20	15
Piping Height	Max	m	7	7	7	8	8	7
<b>Features</b>								
Air Purification	S-Plasma ion		•	•	•	•	•	•
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		80	80	80	80	80	80
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		•	•	•	•	•	•
Air Flow	Optimal Single Blade		•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual
Operating Mode	Natural Breeze		•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
	Convenience	Filter Cleaning Indicator		-	-	-	-	-
Temp. Display			-	-	-	-	-	-
Remote Controller			•	•	•	•	•	•
Display On/Off			-	-	-	-	-	-
Beep On/Off			-	-	-	-	-	-
Real-time Timer			-	-	-	-	-	-
24-Hour Timer			•	•	•	•	•	•
Auto Restart			•	•	•	•	•	•
Outdoor Unit	Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Anti-corrosion Fin		•	•	•	•	•	•
	Multi-channel Condensor		-	-	-	-	-	-
Low Ambient	Cooling	°C	15-43	15-43	15-43	15-43	15-43	-
	Heating	°C	-	-	-	-	-	-

		Crystal				Max			
Model Code		AQ18ESDAN2GAR	AS09UWBUXAZ	AQ09UWBUXAZ	AS12UWBUXAZ	AS18UWBUXAZ	AQ18UWBUXAZ	AS24UWBUXAZ	AQ24UWBUXAZ
AC Type		HP	CO	HP	CO	CO	HP	CO	HP
Refrigerant Type		R22	R22	R22	R22	R22	R22	R22	R22
Capacity	Cooling	Btu/hr. (min-max)	-	9000	9000	12,000	18,000	18,000	24,000
		Kcal/hr. (min-max)	-	2,268	2,268	3,024	4,536	4,536	6,048
		kW (min-max)	-	2.6	2.6	3.5	5.3	5.3	7.0
	Heating	Btu/hr. (min-max)	-	-	9000	-	-	18,000	-
		Kcal/hr. (min-max)	-	-	2,268	-	-	4,536	-
		kW (min-max)	-	-	2.6	-	-	5.3	-
Energy Efficiency	Cooling	EER(Btu/W)	-	10.95	10.95	11.0	10.29	10.29	10.3
	Heating	EER(W/W)	2.85	3.21	3.21	3.24	3.01	3.01	3.02
Moisture Removal		ℓ/hr.	1.3	1.0	1.0	1.2	1.8	1.8	
Air Circulation (Max)		m <sup>3</sup> /min	13	7.5	7.5	10	13	17	
Noise Level	Indoor High/Low	dB	40/31	33/27	33/27	35/27	40/30	40/30	42/34
	Outdoor High	dB	52	50	50	51	52	53	53
<b>Electrical Data</b>									
Power Source		V/Hz/Ø	220/50/1	220/60/1	220/60/1	220/60/1	220/60/1	220/60/1	220/60/1
Power Consumption	Cooling	W	1790	819	819	1086	1750	2318	2318
	Heating	W	1670	-	819	-	1750	-	2318
Operating Current	Cooling	A	8.5	4	4	5.2	8.5	11.5	11.5
	Heating	A	8.0	-	4	-	8.5	-	11.5
<b>Dimension &amp; Loading Q'ty</b>									
Net Dimension (W*H*D)	Indoor	mm	1065x225x298	820*285*190	820*285*190	820*285*190	890*285*190	890*285*190	1065*298*222
	Outdoor	mm	790x285x548	660*475*242	660*475*242	660*475*240	790*548*285	790*548*285	880*638*310
Net Weight	Indoor	kg	11.6	7.8	7.8	8.4	9.4	9.4	12.7
	Outdoor	kg	38	23.5	24	24	38.9	38.5	50
Shipping Weight	Indoor	kg	14.2	9.7	9.7	10.2	11.6	15.4	15.4
	Outdoor	kg	42.8	26.5	27	27	42.9	42	53.8
Loading Q'ty	W Pipe	20/40/40HC	78/162/181	117/240/274	117/240/274	117/240/274	85/177/201	85/177/201	61/129/149
	W/O Pipe	20/40/40HC	78/164/186	123/253/285	123/253/285	123/253/285	88/182/213	88/182/213	66/138/153
<b>Technical Information</b>									
SVC Valve	Liquid	OD	1/4"	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	1/2"	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm
Piping Length	Max	m	15	15	15	15	15	15	20
Piping Height	Max	m	7	7	7	7	7	8	8
<b>Features</b>									
Air Purification	S-Plasma ion		•	•	•	•	•	•	•
	Auto Roof Shutter		-	-	-	-	-	-	-
	Full HD Filter		80	60	60	60	60	60	60
	DNA Filter		-	-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•	•
	Wide Twin Blade		•	•	•	•	•	•	•
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual	Manual
Operating Mode	Natural Breeze		•	•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•	•
	Turbo		•	•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-	-
	Convenience	Filter Cleaning Indicator		-	-	-	-	-	-
Temp. Display			-	-	-	-	-	-	-
Remote Controller			•	•	•	•	•	•	•
Display On/Off			-	-	-	-	-	-	-
Beep On/Off			-	-	-	-	-	-	-
Real-time Timer			-	-	-	-	-	-	-
24-Hour Timer			•	•	•	•	•	•	•
Auto Restart			•	•	•	•	•	•	•
Outdoor Unit	Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Anti-corrosion Fin		•	•	•	•	•	•	•
	Multi-channel Condensor		-	-	-	-	-	-	-
Low Ambient	Cooling	°C	-	15-43	15-43	15-43	15-43	15-43	15-43
	Heating	°C	-	-	-5-24	-	-	-5-24	-



# America

			WAC						
Model Code			AW12PHBCXAP	AW18P1BFXAP	AW18PHBFXAP	AW24P1BDXAP	AW24PHBDXAP	AW05N0AGXVN	AW08N0ABXVN
AC Type			CO					CO	CO
Refrigerant Type			R22					R22	R22
Performance									
Capacity	Cooling	Btu/hr. (min-max)	12,000	18,000	18,000	22,500	22,500	5,050	8,000
		Kcal/hr. (min-max)	3,024	4,536	4,536	5,670	5,670	1,273	2,016
		kW (min-max)	3.52	5.28	5.28	6.59	6.59	1.48	2.34
	Heating	Btu/hr. (min-max)	-	-	-	-	-	-	-
		Kcal/hr. (min-max)	-	-	-	-	-	-	-
		kW (min-max)	-	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	9.0	9.7	9.7	8.5	8.5	9.8	9.8
	Heating	EER(W/W)	2.64	2.84	2.84	2.49	2.49	2.87	2.87
Moisture Removal		ℓ/hr.	1.1	1.7	1.7	2.6	2.6	0.55	0.92
Air Circulation (Max)		m <sup>3</sup> /min	8.6	13.0	13.0	13.0	13.0	3.5	5.5
Noise Level	Indoor High/Low	dB	56	56	56	57	57	55	59
	Outdoor High	dB	64	62	62	62	62	59	61
Electrical Data									
Power Source		V/Hz/Ø	220/60/1	220/60/1	220/60/1	220/60/1	220/60/1	115/60/1	115/60/1
Power Consumption	Cooling	W	1330	1850	1850	2650	2650	515	820
	Heating	W	-	-	-	-	-	-	-
Operating Current	Cooling	A	5.8	8.3	8.3	12.2	12.2	4.7	7.4
	Heating	A	-	-	-	-	-	-	-
Dimension & Loading Q'ty									
Net Dimension (W*H*D)	Indoor	mm	560*370*550	620*425*640	620*425*640	620*425*640	620*425*640	435*283*326	490*320*460
	Outdoor	mm	-	-	-	-	-	-	-
Net Weight	Indoor	kg	31.0	44.0	44.0	54	54	15.9	22.3
	Outdoor	kg	-	-	-	-	-	-	-
Shipping Weight	Indoor	kg	34.5	49.0	49.0	59	59	17.3	24.2
	Outdoor	kg	-	-	-	-	-	-	-
Loading Q'ty	W Pipe	20/40/40HC	135/282/339	96/204/255	96/204/255	96/204/255	96/204/255	476/959/1096	220/460/552
	W/O Pipe	20/40/40HC	-	-	-	-	-	-	-
Technical Information									
SVC Valve	Liquid	OD	-	-	-	-	-	-	-
	Gas	OD	-	-	-	-	-	-	-
Piping Length	Max	m	-	-	-	-	-	-	-
Piping Height	Max	m	-	-	-	-	-	-	-
Features									
Air Purification	S-Plasma ion		-	-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-	-
	Full HD Filter		60	60	60	60	60	60	60
	DNA Filter		-	-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•	•
Air Flow	Auto Clean		-	-	-	-	-	-	-
	Wide Twin Blade		-	-	-	-	-	-	-
	Optimal Single Blade		-	-	-	-	-	-	-
	Fan speed(Steps)		3	3	3	3	3	2	3
Air Direction (Up/Down)			Manual	Manual	Manual	Manual	Manual	-	Manual
	Air Direction (Left/Right)		Auto	Auto	Auto	Auto	Auto	Manual	Manual
Operating Mode	Natural Breeze		-	-	-	-	-	-	-
	d'light Cool		-	-	-	-	-	-	-
	good'sleep		•	-	•	-	•	-	-
	Smart Saver		E.Saver	-	•	-	•	-	-
	Turbo		-	-	-	-	-	-	-
	Dehumidification		•	-	•	-	•	-	-
	Auto Mode		-	-	-	-	-	-	-
	Fan Mode		•	•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-	-
	Convenience	Filter Cleaning Indicator		-	-	-	-	-	-
Temp. Display			•	-	•	-	•	-	•
Remote Controller			•	-	•	-	•	-	•
Display On/Off			-	-	-	-	-	-	-
Beep On/Off			-	-	-	-	-	-	-
Real-time Timer			-	-	-	-	-	-	-
24-Hour Timer			•	-	•	-	•	-	•
Auto Restart			-	-	-	-	-	-	-
Auto Changeover		-	-	-	-	-	-	-	
Outdoor Unit	Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Anti-corrosion Fin		•	•	•	•	•	•	•
	Multi-channel Condensor		-	-	-	-	-	-	-
Low Ambient	Cooling	°C	21-43	21-43	21-43	21-43	21-43	21-43	21-43
	Heating	°C	-	-	-	-	-	-	-

WAC									
AW08NHABXVN	AW12PKAGXVN	AW12PKBGXVN	AW12P1AGXVN	AW12P1BGXVN	AW18P1BGXVN	AW18PHBGXVN	AW24P1BCXVN	AW24PHBCXVN	
CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
R22	R22	R22	R22	R22	R22	R22	R22	R22	R22
8,000	12,000	12,000	12,000	12,000	18,000	18,000	23,950	23,950	-
-	-	-	-	-	-	-	-	-	-
2,016	3,024	3,024	3,024	3,024	4,536	4,536	6,035	6,035	-
-	-	-	-	-	-	-	-	-	-
2.34	3.52	3.52	3.52	3.52	5.28	5.28	7.02	7.02	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
9.8	9.8	9.8	9.8	9.8	9.7	9.7	9.1	9.1	-
2.87	2.87	2.87	2.87	2.87	2.84	2.84	2.67	2.67	-
-	-	-	-	-	-	-	-	-	-
0.92	1.4	1.4	1.4	1.4	1.8	1.8	2.6	2.6	-
5.5	7.6	7.6	7.6	7.6	13.0	13.0	13.4	13.4	-
59	57	57	57	57	63	63	66	66	-
61	65	65	65	65	66	66	69	69	-
-	-	-	-	-	-	-	-	-	-
115/60/1	115/60/1	220/60/1	115/60/1	220/60/1	220/60/1	220/60/1	220/60/1	220/60/1	220/60/1
820	1230	1230	1230	1230	1850	1850	2620	2620	-
-	-	-	-	-	-	-	-	-	-
7.4	11.2	5.5	11.2	5.5	8.3	8.3	12.5	12.5	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
490*320*460	530*384*550	530*384*550	530*384*550	530*384*550	620*425*640	620*425*640	620*425*640	620*425*640	620*425*640
-	-	-	-	-	-	-	-	-	-
22.3	31.5	31.5	31.5	31.5	46.0	46.0	51.9	52.1	-
-	-	-	-	-	-	-	-	-	-
24.2	34.5	34.5	34.5	34.5	51.0	51.0	56.9	57.1	-
-	-	-	-	-	-	-	-	-	-
220/460/552	135/300/360	135/300/360	135/300/360	135/300/360	96/204/255	96/204/255	96/204/255	96/204/255	96/204/255
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
60	60	60	60	60	60	60	60	60	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3	3	3	3	3	3	3	3	3	-
Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Manual	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
-	-	-	-	-	-	-	-	-	-
-	•	•	-	-	-	-	-	-	•
E.Saver	•	•	-	-	-	-	-	-	E.Saver
-	-	-	-	-	-	-	-	-	-
-	•	•	-	-	-	-	-	-	•
-	-	-	-	-	-	-	-	-	-
-	•	•	-	-	-	-	-	-	•
-	-	-	-	-	-	-	-	-	-
-	•	•	-	-	-	-	-	-	•
-	-	-	-	-	-	-	-	-	-
ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
•	•	•	•	•	•	•	•	•	•
-	-	-	-	-	-	-	-	-	-
21-43	21-43	21-43	21-43	21-43	21-43	21-43	21-43	21-43	21-43
-	-	-	-	-	-	-	-	-	-







# Southeast Asia

			T-series (Boracay)				T-Series (Boracay Low Watt)	
Model Code			AS24T*LNXTC	AQ09T*PNXEA	AQ12T*LNXEA	AQ18T*LNXEA	AS05T*MNXEA	AS07T*MNXEA
AC Type			CO	HP	HP	HP	CO	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22
<b>Performance</b>								
Capacity	Cooling	Btu/hr.	23,695	9,500	12,000	18,000	4,900	6,900
		(min-max)	-	-	-	-	-	-
		Kcal/hr.	5,971	2,394	3,024	4,536	1,235	1,739
		(min-max)	-	-	-	-	-	-
		kW	6.9	2.8	3.5	5.3	1.4	2.0
		(min-max)	-	-	-	-	-	-
	Heating	Btu/hr.	-	10,000	13,000	19,500	-	-
		(min-max)	-	-	-	-	-	-
		Kcal/hr.	-	2,520	3,276	4,914	-	-
		(min-max)	-	-	-	-	-	-
		kW	-	2.9	3.8	5.7	-	-
		(min-max)	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	9.6	9.5	9.5	9.5	15.8	13.0
	Heating	EER(W/W)	2.807	2.784	2.791	2.777	4.632	3.815
Moisture Removal		ℓ/hr.	2.5	1.0	1.5	2.0	0.8	0.8
	Air Circulation (Max)	m <sup>3</sup> /min	17.0	8.0	11.0	14.0	6.0	6.0
Noise Level	Indoor High/Low	dB	42/33	36/26	36/26	40/32	34/26	34/26
	Outdoor High	dB	54	48	50	52	45	45
<b>Electrical Data</b>								
Power Source		V/Hz/Ø	230/60/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
Power Consumption	Cooling	W	2610	1000	1260	1900	310	530
	Heating	W	-	900	1160	1900	-	-
Operating Current	Cooling	A	11	4.6	5.8	9	2	2.8
	Heating	A	-	4.2	5.3	9.0	-	-
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W*H*D)	Indoor	mm	1065*298*225	820*285*210	820*285*210	890*285*210	728*255*175	728*255*175
	Outdoor	mm	790*548*285	660*475*242	660*475*242	790*548*285	660*475*242	660*475*242
Net Weight	Indoor	kg	12	8.4	8.4	8.7	6.4	6.4
	Outdoor	kg	39	26	26	39	26	26
Shipping Weight	Indoor	kg	14.5	10.4	10.4	11	8.2	8.2
	Outdoor	kg	43	30	30	43	30	30
Loading Q'ty	W Pipe	20/40/40HC	75/162/187	120/248/280	120/248/280	84/180/208	135/277/304	135/277/304
	W/O Pipe	20/40/40HC	72/150/178	104/224/248	104/224/248	78/162/189	120/252/264	120/252/264
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 15.88mm	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 9.52mm	Ø 9.52mm
Piping Length	Max	m	20	15	15	15	15	15
Piping Height	Max	m	8	7	7	7	7	7
<b>Features</b>								
Air Purification	S-Plasma ion		-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		80	80	80	80	80	80
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		AUTO	AUTO	AUTO	AUTO	AUTO	AUTO
	Air Direction (Left/Right)		MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL
	Natural Breeze		•	•	•	•	•	•
Operating Mode	d'light Cool		-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
	Filter Cleaning Indicator		-	-	-	-	-	-
	Temp. Display		-	-	-	-	-	-
Convenience	Remote Controller		•	•	•	•	•	•
	Display On/Off		-	-	-	-	-	-
	Beep On/Off		•	•	•	•	•	•
	Real-time Timer		-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•
	Auto Changeover		-	-	-	-	-	-
	Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Anti-corrosion Fin		•	•	•	•	•	•
	Multi-channel Condensor		-	-	-	-	-	-
Low Ambient	Cooling	°C	15-43	15-43	15-43	15-43	15-43	15-43
	Heating	°C	-	-5-24	-5-24	-5-24	-	-

			T-Series (Boracay Low Watt)				Crystal			
Model Code			AS09T*MNXEA	ASV10E*QNXSS	ASV13E*QNXSS	ASV18E*QNXSS	ASV24E*QNXSS	ASV10E*QNXTC	ASV13E*QNXTC	ASV18E*QNXTC
AC Type			CO	INV. CO	INV. CO	INV. CO	INV. CO	INV. CO	INV. CO	INV. CO
Refrigerant Type			R22	R410A	R410A	R410A	R410A	R410A	R410A	R410A
<b>Performance</b>										
Capacity	Cooling	Btu/hr.	8,900	8,530	11,021	17,743	20,473	9,725	12,830	18,084
		(min-max)	-	2,900-10,919	3,310-13,649	4,095-21,155	5,801-28,150	2,730-10,919	3,378-13,649	4,095-21,155
		Kcal/hr.	2,243	2,150	2,777	4,471	5,159	2,451	3,233	4,557
		(min-max)	-	731-2,752	834-3,439	1,032-5,331	1,462-7,094	688-2,752	851-3,439	1,032-5,331
		kW	2.6	2.5	3.23	5.2	6.0	2.85	3.76	5.3
		(min-max)	-	0.85-3.2	0.97-4.0	1.2-6.2	1.7-8.25	0.8-3.2	0.99-4.0	1.2-6.2
	Heating	Btu/hr.	-	-	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-	-	-
		Kcal/hr.	-	-	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-	-	-
		kW	-	-	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	13.3	13.43	12.52	12.41	12.56	13.31	12.69	12.49
	Heating	EER(W/W)	3.893	3.94	3.67	3.64	3.68	3.90	3.72	3.66
Moisture Removal		ℓ/hr.	1.0	1.0	1.4	2.5	3.0	1.0	1.4	2.5
	Air Circulation (Max)	m <sup>3</sup> /min	8.0	8.0	9.0	13.0	15.0	8.0	9.0	13.0
Noise Level	Indoor High/Low	dB	36/26	36/22	38/23	45/32	45/32	36/22	38/23	45/32
	Outdoor High	dB	48	47	47	55	57	47	47	55
<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	230/60/1	230/60/1	230/60/1
Power Consumption	Cooling	W	670	635	880	1430	1630	730	1010	1450
	Heating	W	-	-	-	-	-	-	-	-
Operating Current	Cooling	A	3.7	3.4	4.5	6.9	8.5	3.4	4.8	7.2
	Heating	A	-	-	-	-	-	-	-	-
<b>Dimension &amp; Loading Q'ty</b>										
Net Dimension (W*H*D)	Indoor	mm	820*285*210	820x285x190	820x285x190	1065x298x222	1065x298x222	820x285x190	820x285x190	1065x298x222
	Outdoor	mm	660*475*242	720*548*265	720*548*265	790*548*285	880*310*638	720*548*265	720*548*265	790*548*285
Net Weight	Indoor	kg	8.4	8.8	8.8	12.3	12.3	7.5	7.9	13
	Outdoor	kg	26	27.2	27.2	33.2	45.2	25.2	26.7	32.8
Shipping Weight	Indoor	kg	10.4	10.8	10.8	14.7	14.7	9.1	9.5	16
	Outdoor	kg	30	31	31	39.7	48.9	28	29.5	36.3
Loading Q'ty	W Pipe	20/40/40HC	120/248/280	84/177/211	84/177/211	72/150/178	57/126/132	84/177/211	84/177/211	72/150/178
	W/O Pipe	20/40/40HC	104/224/248	93/192/227	93/192/227	75/162/187	60/128/141	93/192/227	93/192/227	75/162/187
<b>Technical Information</b>										
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	Ø 15.88mm	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm
Piping Length	Max	m	15	15	15	15	30	15	15	30
Piping Height	Max	m	7	7	7	15	15	7	7	15
<b>Features</b>										
Air Purification	S-Plasma ion		•	•	•	•	•	•	•	•
	Auto Roof Shutter		-	-	-	-	-	-	-	-
	Full HD Filter		80	80	80	80	80	80	80	80
	DNA Filter		•	•	•	•	•	•	•	•
	Deodorizing Filter		-	-	-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4	4	4
	Air Direction (Up/Down)		AUTO	Auto	Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		MANUAL	Manual	Manual	Manual	Manual	Manual	Manual	Manual
	Natural Breeze		•	•	•	•	•	•	•	•
Operating Mode	d'light Cool		-	-	-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•	•	•
	Turbo		•	•	•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-	-	-
	Filter Cleaning Indicator		-	-	-	-	-	-	-	-
	Temp. Display		-	-	-	-	-	-	-	-
Convenience	Remote Controller		•	•	•	•	•	•	•	•
	Display On/Off		-	-	-	-	-	-	-	-
	Beep On/Off		•	•	•	•	•	•	•	•
	Real-time Timer		-	-	-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•			

# Southeast Asia

			Crystal						
Model Code			ASV24E*QNXTC	AS10E*QNXST	AS13E*QNXST	AS18E*PNXST	AS24E*PNXST	AS09E*QNXEA	
AC Type			INV. CO	CO	CO	CO	CO	CO	
Refrigerant Type			R410A	R22	R22	R22	R22	R22	
<b>Performance</b>									
Capacity	Cooling	Btu/hr.	22,179	9,518	12,358	18,706	21,769	9,000	
		(min-max)	4,777-28,150	-	-	-	-	-	
		Kcal/hr.	5,589	2,399	3,114	4,714	5,486	2,268	
		(min-max)	1,204-7,094	-	-	-	-	-	
		kW	6.5	2.8	3.6	5.5	6.4	2.6	
		(min-max)	1.4-8.25	-	-	-	-	-	
	Heating	Btu/hr.	-	-	-	-	-	-	
		(min-max)	-	-	-	-	-	-	
		Kcal/hr.	-	-	-	-	-	-	
		(min-max)	-	-	-	-	-	-	
		kW	-	-	-	-	-	-	
		(min-max)	-	-	-	-	-	-	
Energy Efficiency	Cooling	EER(Btu/W)	12.04	12.0	11.9	11.8	11.2	11.3	
	Heating	EER(W/W)	3.53	3.519	3.485	3.445	3.274	3.297	
Moisture Removal		ℓ/hr.	3.0	1.0	1.5	2.0	2.5	1.0	
Air Circulation (Max)		m <sup>3</sup> /min	15.0	8.0	11.0	14.0	17.0	8.0	
Noise Level	Indoor High/Low	dB	45/32	37/27	38/29	40/32	42/33	36/26	
	Outdoor High	dB	57	48	50	52	54	48	
<b>Electrical Data</b>									
Power Source		V/Hz/Ø	230/60/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	
Power Consumption	Cooling	W	1840	793	1039	1591	1949	800	
	Heating	W	-	-	-	-	-	-	
Operating Current	Cooling	A	8.5	3.9	5.2	7.5	9	4	
	Heating	A	-	-	-	-	-	-	
<b>Dimension &amp; Loading Q'ty</b>									
Net Dimension (W*H*D)	Indoor	mm	1065x298x222	820*285*190	890*285*190	1065*298*222	1065*298*222	820*285*190	
	Outdoor	mm	880*638*310	660*475*242	720*548*265	880*638*310	880*638*310	660*475*242	
Net Weight	Indoor	kg	13	8.3	9.9	13	13	8.4	
	Outdoor	kg	42	22.8	28.8	56	56	21.5	
Shipping Weight	Indoor	kg	16	10.45	11.9	16	16	10.4	
	Outdoor	kg	47.1	25.05	31.5	58	58	23.6	
Loading Q'ty	W Pipe	20/40/40HC	57/126/132	120/248/280	93/186/227	60/128/141	60/128/141	120/248/280	
	W/O Pipe	20/40/40HC	60/128/141	104/224/248	81/170/207	57/126/132	57/126/132	104/224/248	
<b>Technical Information</b>									
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	Ø 15.88mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 9.52mm	
Piping Length	Max	m	30	15	15	15	20	15	
Piping Height	Max	m	15	7	7	7	8	7	
<b>Features</b>									
Air Purification	S-Plasma ion		•	•	•	•	•	•	
	Auto Roof Shutter		-	-	-	-	-	-	
	Full HD Filter		80	80	80	80	80	80	
	DNA Filter		•	•	•	•	•	•	
	Deodorizing Filter		•	•	•	•	•	•	
	Catechin Filter		•	•	•	•	•	•	
	Allergy Care		-	-	-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	•	•	
	Auto Clean		•	•	•	•	•	•	
	Wide Twin Blade		•	•	•	•	•	•	
Air Flow	Optimal Single Blade		•	•	•	•	•	•	
	Fan speed(Steps)		4	4	4	4	4	4	
	Air Direction (Up/Down)		Auto	AUTO	AUTO	AUTO	AUTO	AUTO	
	Air Direction (Left/Right)		Manual	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	
Operating Mode	Natural Breeze		•	•	•	•	•	•	
	d'light Cool		-	-	-	-	-	-	
	good'sleep		•	•	•	•	•	•	
	Smart Saver		•	•	•	•	•	•	
	Turbo		•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	
	Quiet Mode		•	•	•	•	•	•	
	Filter Cleaning Indicator		-	-	-	-	-	-	
Convenience	Temp. Display		•	•	•	•	•	•	
	Remote Controller		•	•	•	•	•	•	
	Display On/Off		•	•	•	•	•	•	
	Beep On/Off		•	•	•	•	•	•	
	Real-time Timer		-	-	-	-	-	-	
	24-Hour Timer		•	•	•	•	•	•	
	Auto Restart		•	•	•	•	•	•	
	Auto Changeover		-	-	-	-	-	-	
	Outdoor Unit	Compressor Type		Twin BLDC	ROTARY	ROTARY	ROTARY	ROTARY	
	Anti-corrosion Fin		•	•	•	•	•	•	
Multi-channel Condensor		-	-	-	-	-	-		
Low Ambient	Cooling	°C	16-46	15-43	15-43	15-43	15-43	15-43	
	Heating	°C	-	-	-	-	-	-	

			Crystal			Crystal (Low Watt)			Max		
Model Code			AS12E*QNXEA	AS18E*QNXEA	AS24E*QNXEA	AS05E*PNXEA	AS07E*PNXEA	AS09E*PNXEA	AQV09U*LNKSA	AQV12U*LNKSA	
AC Type			CO	CO	CO	CO	CO	CO	INV. HP	INV. HP	
Refrigerant Type			R22	R22	R22	R22	R22	R22	R410A	R410A	
<b>Performance</b>											
Capacity	Cooling	Btu/hr.	12,000	18,000	24,000	5,000	6,900	8,900	8,530	11,942	
		(min-max)	-	-	-	-	-	-	3,378-10,919	3,378-13,649	
		Kcal/hr.	3,024	4,536	6,048	1,260	1,739	2,243	2,150	3,009	
		(min-max)	-	-	-	-	-	-	851-2,752	851-3,439	
		kW	3.5	5.3	7.0	1.5	2.0	2.6	2.5	3.5	
		(min-max)	-	-	-	-	-	-	0.99-3.20	0.99-4.00	
	Heating	Btu/hr.	-	-	-	-	-	-	-	10,919	13,649
		(min-max)	-	-	-	-	-	-	-	3,378-17,743	3,378-20,473
		Kcal/hr.	-	-	-	-	-	-	-	2,752	3,439
		(min-max)	-	-	-	-	-	-	-	851-4,471	851-5,159
		kW	-	-	-	-	-	-	-	3.2	4.0
		(min-max)	-	-	-	-	-	-	-	0.99-5.20	0.99-6.00
Energy Efficiency	Cooling	EER(Btu/W)	10.7	9.7	10.2	16.1	13.0	13.3	15.22	12.97	
	Heating	EER(W/W)	3.14	2.852	2.993	4.727	3.815	3.893	4.46	3.80	
Moisture Removal		ℓ/hr.	1.5	2.0	2.5	0.8	0.8	1.0	1.0	1.4	
Air Circulation (Max)		m <sup>3</sup> /min	11.0	14.0	17.0	6.0	6.0	8.0	13.0	13.5	
Noise Level	Indoor High/Low	dB	36/26	40/32	42/33	34/26	34/26	36/26	35/20	36/20	
	Outdoor High	dB	50	52	54	45	45	48	45	47	
<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	1120	1850	2350	310	530	670	560	920	
	Heating	W	-	-	-	-	-	-	700	990	
Operating Current	Cooling	A	5.3	9	10.7	2	2.8	3.7	2.9	4.2	
	Heating	A	-	-	-	-	-	-	3.4	4.6	
<b>Dimension &amp; Loading Q'ty</b>											
Net Dimension (W*H*D)	Indoor	mm	820*285*190	890*285*190	1065*298*222	820*285*190	820*285*190	820*285*190	890*285*190	890*285*190	
	Outdoor	mm	660*475*242	720*548*265	790*548*285	660*475*242	660*475*242	660*475*242	790*548*285	790*548*285	
Net Weight	Indoor	kg	8.3	9.9	13	8.4	8.4	8.4	9.2	9.2	
	Outdoor	kg	26	32.4	39	26	26	26	36	36	
Shipping Weight	Indoor	kg	10.5	11.9	16	10.4	10.4	10.4	10.8	10.8	
	Outdoor	kg	30	34.4	43	30	30	30	40	40	
Loading Q'ty	W Pipe	20/40/40HC	120/248/280	93/186/227	75/162/187	120/248/280	120/248/280	120/248/280	78/162/189	78/162/189	
	W/O Pipe	20/40/40HC	104/224/248	81/170/207	72/150/178	104/224/248	104/224/248	104/224/248	84/180/208	84/180/208	
<b>Technical Information</b>											
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	Ø 9.52mm	
Piping Length	Max	m	15	15	15	15	15	15	15	15	
Piping Height	Max	m	7	7	8	7	7	7	8	8	
<b>Features</b>											
Air Purification	S-Plasma ion		•	•	•	•	•	•	•	•	
	Auto Roof Shutter		-	-	-	-	-	-	-	-	
	Full HD Filter		80	80	80	80	80	80	80	80	
	DNA Filter		•	•	•	•	•	•	•	•	
	Deodorizing Filter		•	•	•	•	•	•	•	•	
	Catechin Filter		•	•	•	•	•	•	•	•	
	Allergy Care		-	-	-	-	-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	•	•	•	•	
	Auto Clean		•	•	•	•	•	•	•	•	
	Wide Twin Blade		•	•	•	•	•	•	•	•	
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•	•	
	Fan speed(Steps)		4	4	4	4	4	4	4	4	
	Air Direction (Up/Down)		AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	Auto	Auto	
	Air Direction (Left/Right)		MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	Manual	Manual	
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	•	
	d'light Cool		-	-	-	-	-	-	-	-	
	good'sleep		•	•	•	•	•	•	•	•	
	Smart Saver		•	•	•	•	•	•	•	•	
	Turbo		•	•	•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	•	•	
	Quiet Mode		•	•	•	•	•	•	•	•	
	Filter Cleaning Indicator		-	-	-	-	-	-	-	-	
Convenience	Temp. Display		•	•	•	•	•	•	•	•	
	Remote Controller		•	•	•	•	•	•	•	•	
	Display On/Off		•	•	•	•	•	•	•	•	
	Beep On/Off		•	•	•	•	•	•	•	•	
	Real-time Timer		-	-	-	-	-	-	-	-	
	24-Hour Timer		•	•							

# Southeast Asia

			Max						
Model Code			AQV18U*LNKSA	AQV24U*CNXSA	AQV30U*CNXSA	AS10U*PNXST	AS13U*PNXST	AS18U*PNXST	
AC Type			INV. HP	INV. HP	INV. HP	CO	CO	CO	
Refrigerant Type			R410A	R410A	R410A	R22	R22	R22	
<b>Performance</b>									
Capacity	Cooling	Btu/hr.	17,061	23,202	27,297	9,189	12,194	18,443	
		(min-max)	5,459-20,473	7,506-27,296	6824-31733	-	-	-	
		Kcal/hr.	4,299	5,848	6,879	2,316	3,073	4,648	
		(min-max)	1,376-5,159	1892-6880	1720-7997	-	-	-	
		kW	5.0	6.8	8.0	2.7	3.6	5.4	
		(min-max)	1.60-6.00	2.2-8.0	2.0-9.3	-	-	-	
	Heating	Btu/hr.	20,473	27,296	30,709	-	-	-	
		(min-max)	4,095-25,591	6483-34121	7507-40946	-	-	-	
		Kcal/hr.	5,159	6,880	7,739	-	-	-	
		(min-max)	1,032-6,449	1634-8600	1892-10318	-	-	-	
		kW	6.0	8.0	9.0	-	-	-	
		(min-max)	1.20-7.50	1.9-10.0	2.2-12.0	-	-	-	
Energy Efficiency	Cooling	EER(Btu/W)	12.18	11.00	11.02	11.7	11.3	11.7	
	Heating	EER(W/W)	3.57	3.24	3.23	3.416	3.326	3.424	
Moisture Removal		ℓ/hr.	2.5	3.0	4.5	1.0	1.5	2.0	
	Air Circulation (Max)	m <sup>3</sup> /min	14.0	19.5	23.0	8.0	11.0	14.0	
Noise Level	Indoor High/Low	dB	40/27	41/27	45/32	36/26	36/26	40/32	
	Outdoor High	dB	53	55	57	48	50	52	
<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	
Power Consumption	Cooling	W	1400	2100	2480	788	1075	1579	
	Heating	W	1660	2420	2720	-	-	-	
Operating Current	Cooling	A	6.8	9.7	11.4	3.9	5.2	7.5	
	Heating	A	7.7	11.1	12.4	-	-	-	
<b>Dimension &amp; Loading Q'ty</b>									
Net Dimension (W*H*D)	Indoor	mm	1065*298*222	1065*298*230	1280*348*253	820*285*190	890*285*190	1065*298*222	
	Outdoor	mm	880*638*310	880*798*310	880*798*310	660*475*242	660*475*242	880*638*310	
Net Weight	Indoor	kg	13	11.4	18.2	8.4	8.7	13	
	Outdoor	kg	52	54.2	62	26	26	56	
Shipping Weight	Indoor	kg	16	13.2	21.6	10.4	11	16	
	Outdoor	kg	55.6	58.4	66.4	30	30	58	
Loading Q'ty	W Pipe	20/40/40HC	57/126/132	52/108/124	46/96/114	120/248/280	120/240/264	60/128/141	
	W/O Pipe	20/40/40HC	60/128/141	52/108/124	47/98/114	104/224/248	104/216/248	57/126/132	
<b>Technical Information</b>									
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	Ø 12.7mm	Ø 15.88mm	Ø 15.88mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	
Piping Length	Max	m	30	30	30	15	15	15	
Piping Height	Max	m	15	15	15	7	7	7	
<b>Features</b>									
Air Purification	S-Plasma ion		•	•	-	-	-	-	
	Auto Roof Shutter		-	-	-	-	-	-	
	Full HD Filter		80	80	80	60	60	60	
	DNA Filter		-	-	-	-	-	-	
	Deodorizing Filter		-	-	-	•	•	•	
	Catechin Filter		-	-	-	•	•	•	
	Allergy Care		-	-	-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	•	•	
	Auto Clean		•	•	•	•	•	•	
	Wide Twin Blade		•	•	•	-	-	-	
Air Flow	Optimal Single Blade		•	•	•	•	•	•	
	Fan speed(Steps)		4	4	4	4	4	4	
	Air Direction (Up/Down)		Auto	Auto	Auto	AUTO	AUTO	AUTO	
	Air Direction (Left/Right)		Manual	Manual	Manual	MANUAL	MANUAL	MANUAL	
Operating Mode	Natural Breeze		•	•	•	•	•	•	
	d'light Cool		-	-	-	-	-	-	
	good'sleep		•	•	•	•	•	•	
	Smart Saver		•	•	•	•	•	•	
	Turbo		•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	
	Quiet Mode		•	•	•	-	-	-	
	Convenience	Filter Cleaning Indicator		-	-	-	-	-	
Convenience	Temp. Display		-	-	-	-	-	-	
	Remote Controller		•	•	•	•	•	•	
	Display On/Off		-	-	-	-	-	-	
	Beep On/Off		-	-	-	•	•	•	
	Real-time Timer		•	•	•	-	-	-	
	24-Hour Timer		•	•	•	•	•	•	
	Auto Restart		•	•	•	•	•	•	
	Auto Changeover		-	-	-	-	-	-	
	Outdoor Unit	Compressor Type		TWIN BLDC	Twin BLDC	Twin BLDC	ROTARY	ROTARY	ROTARY
	Anti-corrosion Fin		•	•	•	•	•	•	
Multi-channel Condensor		•	-	-	•	•	•		
Low Ambient	Cooling	°C	-10-46	-10-46	-10-46	15-43	15-43	15-43	
	Heating	°C	-15-24	-15-24	-15-24	-	-	-	

			Max							
Model Code			AS24U*PNXST	AS13U*QNSNG	AS18U*QNSNG	AS09U*PNXSS	AS12U*PNXSS	AS18U*PNXSS	AS24U*QNXSS	AS05U*PNXEA
AC Type			CO	CO	CO	CO	CO	CO	CO	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22	R22	R22
<b>Performance</b>										
Capacity	Cooling	Btu/hr.	21,807	12,406	12,348	9,500	12,500	18,000	24,000	5,000
		(min-max)	-	-	-	-	-	-	-	-
		Kcal/hr.	5,495	3,126	3,112	2,394	3,150	4,536	6,048	1,260
		(min-max)	-	-	-	-	-	-	-	-
		kW	6.4	3.7	3.6	2.8	3.7	5.3	7.0	1.5
		(min-max)	-	-	-	-	-	-	-	-
	Heating	Btu/hr.	-	-	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-	-	-
		Kcal/hr.	-	-	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-	-	-
		kW	-	-	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	11.2	11.9	11.9	11.3	10.9	11.3	10.4	12.8
	Heating	EER(W/W)	3.274	3.49	3.49	3.315	3.186	3.297	3.058	3.757
Moisture Removal		ℓ/hr.	2.5	1.5	1.5	1.0	1.5	2.0	2.5	0.8
	Air Circulation (Max)	m <sup>3</sup> /min	17.0	11.0	11.0	8.0	11.0	14.0	17.0	6.0
Noise Level	Indoor High/Low	dB	42/33	38/28	38/28	36/26	36/26	40/32	42/33	34/26
	Outdoor High	dB	54	50	50	48	50	52	54	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	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
Power Consumption	Cooling	W	1952	1039	1589	840	1150	1600	2300	390
	Heating	W	-	-	-	-	-	-	-	-
Operating Current	Cooling	A	9	5.2	7.5	3.9	5.2	7.5	10.5	2
	Heating	A	-	-	-	-	-	-	-	-
<b>Dimension &amp; Loading Q'ty</b>										
Net Dimension (W*H*D)	Indoor	mm	1065*298*222	890*285*190	1065*298*222	820*285*190	890*285*190	1065*298*222	1065*298*222	728*255*170
	Outdoor	mm	880*638*310	720*548*265	880*638*310	660*475*242	660*475*242	880*638*310	880*638*310	660*475*242
Net Weight	Indoor	kg	12	10.0	13	8.4	8.7	13	12	6.4
	Outdoor	kg	56	28.8	56	26	26	56	56	26
Shipping Weight	Indoor	kg	14.5	11.1	16	10.4	11	16	14.5	8.2
	Outdoor	kg	58	31.5	58	30	30	58	58	30
Loading Q'ty	W Pipe	20/40/40HC	60/128/141	93/186/227	60/128/141	120/248/280	120/240/264	60/128/141	60/128/141	135/277/304
	W/O Pipe	20/40/40HC	57/126/132	81/170/207	57/126/132	104/224/248	104/216/248	57/126/132	57/126/132	120/252/264
<b>Technical Information</b>										
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 15.88mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 9.52mm
Piping Length	Max	m	20	15	15	15	15	15	20	15
Piping Height	Max	m	8	7	7	7	7	7	8	7
<b>Features</b>										
Air Purification	S-Plasma ion		-	-	-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-	-	-
	Full HD Filter		60	60	60	60	60	60	60	60
	DNA Filter		-	-	-	-	-	-	-	-
	Deodorizing Filter		•	•	•	•	•	•	•	•
	Catechin Filter		•	•	•	•	•	•	•	•
	Allergy Care		-	-	-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4	4	4
	Air Direction (Up/Down)		AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO
	Air Direction (Left/Right)		MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•	•	•
	Turbo		•	•	•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-	-	-
	Convenience	Filter Cleaning Indicator		-	-	-	-	-	-	-
Convenience	Temp. Display		-	-	-	-	-	-	-	-
	Remote Controller		•	•	•	•	•	•	•	•
	Display On/Off		-	-	-	-	-	-	-	-
	Beep On/Off		-	-	-	•	•	•	•	•
	Real-time Timer		•	•	•	-	-	-	-	-
	24-Hour Timer		•	•	•	•				



# Southeast Asia

			WAC		Mirage	
Model Code			AW18F1CXTC	AW18FHCXTC	AP36M0ANXTC	AP55M0ANXTC
AC Type			CO	CO	CO	CO
Refrigerant Type			R22	R22	R22	R22
Performance						
Capacity	Cooling	Btu/hr.	17,724	17,724	36000	52000
		(min-max)	-	-	-	-
		Kcal/hr.	4,466	4,466	9075	13100
		(min-max)	-	-	-	-
		kW	5.195	5.195	10.5	15.24
		(min-max)	-	-	-	-
	Heating	Btu/hr.	-	-	-	-
		(min-max)	-	-	-	-
		Kcal/hr.	-	-	-	-
		(min-max)	-	-	-	-
		kW	-	-	-	-
		(min-max)	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	9.7	9.7	10	9.81
	Heating	EER(W/W)	-	-	2.93	2.87
Moisture Removal		ℓ/hr.	1.9	1.9	3.43	6.1
Air Circulation (Max)		m <sup>3</sup> /min	12.9	12.9	27	33
Noise Level	Indoor High/Low	dB	58	58	44	51
	Outdoor High	dB	63	63	52	55
Electrical Data						
Power Source		V/Hz/Ø	230/60/1	230/60/1	230/60/1	220/60/3
Power Consumption	Cooling	W	1835	1835	3600	5300
	Heating	W	-	-	-	-
Operating Current	Cooling	A	8.2	8.2	16.5	17.1
	Heating	A	-	-	-	-
Dimension & Loading Q'ty						
Net Dimension (W*H*D)	Indoor	mm	620*425*640	620*425*640	610*1850*400	610*1850*400
	Outdoor	mm	-	-	880*798*310	932*1128*375
Net Weight	Indoor	kg	46	46	45	46
	Outdoor	kg	-	-	60	91
Shipping Weight	Indoor	kg	51	51	50	51
	Outdoor	kg	-	-	62	99
Loading Q'ty	W Pipe	20/40/40HC	96/204/255	96/204/255	-	Indoor unit : 35 / 74 / 74, Outdoor unit : 24 / 48 / 96
	W/O Pipe	20/40/40HC	-	-	20/44/44	Indoor unit : 35 / 74 / 74, Outdoor unit : 24 / 48 / 96
Technical Information						
SVC Valve	Liquid	OD	-	-	Ø 9.52mmx5m	Ø 9.52mmx5m
	Gas	OD	-	-	Ø 15.88mmx5m	Ø 19.05mmx5m
Piping Length	Max	m	-	-	30	25
Piping Height	Max	m	-	-	20	15
Features						
Air Purification	S-Plasma ion		-	-	-	-
	Auto Roof Shutter		-	-	•	•
	Full HD Filter	60	60	•	•	
	DNA Filter	-	-	-	-	
	Deodorizing Filter	-	-	-	-	
	Catechin Filter	-	-	-	-	
	Allergy Care	-	-	-	-	
	Anti-bacteria Coating	•	•	•	•	
	Auto Clean	-	-	-	-	
	Auto Clean	-	-	-	-	
Air Flow	Wide Twin Blade		-	-	-	-
	Optimal Single Blade		-	-	-	-
	Fan speed(Steps)	3	3	3	3	
	Air Direction (Up/Down)	Manual	Manual	Auto	Auto	
	Air Direction (Left/Right)	Auto	Auto	Auto	Auto	
Operating Mode	Natural Breeze		-	-	-	-
	d'light Cool		-	-	-	-
	good'sleep		-	•	-	-
	Smart Saver		-	•	-	-
	Turbo		-	-	•	•
	Dehumidification		-	•	•	•
	Auto Mode		-	-	•	•
	Fan Mode		•	•	•	•
	Quiet Mode		-	-	-	-
	Quiet Mode		-	-	-	-
Convenience	Filter Cleaning Indicator		-	-	-	-
	Temp. Display		-	•	•	•
	Remote Controller		-	•	•	•
	Display On/Off		-	-	-	-
	Beep On/Off		-	-	-	-
	Real-time Timer		-	•	-	-
	24-Hour Timer		-	•	-	-
	Auto Restart		-	-	•	•
	Auto Changeover		-	-	-	-
	Auto Changeover		-	-	-	-
Outdoor Unit	Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY
	Anti-corrosion Fin		•	•	•	•
	Multi-channel Condensor		-	-	-	-
	Multi-channel Condensor		-	-	-	-
Low Ambient	Cooling	°C	21-43	21-43	-	-
	Heating	°C	-	-	-	-

			Rose	
Model Code			APV28R0DANXEA	
Refrigerant Type			R410A	
Performance			C/O Inv.	
Capacity	Cooling	Btu/hr.	26,163	26,163
		(min-max)	9554-28320	9554-28320
		Kcal/hr.	6,621	6,621
		(min-max)	2408-7137	2408-7137
		kW	7.7	7.7
		(min-max)	2.8-8.3	2.8-8.3
	Heating	Btu/hr.	-	-
		(min-max)	-	-
		Kcal/hr.	-	-
		(min-max)	-	-
		kW	-	-
		(min-max)	-	-
Energy Efficiency	Cooling	EER(Btu/W)	11.34	11.34
	Heating	EER(W/W)	3.35	3.35
Moisture Removal		ℓ/hr.	3.50	3.50
Air Circulation (Max)		m <sup>3</sup> /min	19	19
Noise Level	Indoor High/Low	dB	51	51
	Outdoor High	dB	60	60
Electrical Data				
Power Source		V/Hz/Ø	220/60/50/1	220/60/50/1
Power Consumption	Cooling	W	2,306.7	2,306.7
	Heating	W	-	-
Operating Current	Cooling	A	10.7	10.7
	Heating	A	-	-
Dimension & Loading Q'ty				
Net Dimension (W*H*D)	Indoor	mm	360x1930x409	360x1930x409
	Outdoor	mm	880x798x310	880x798x310
Net Weight	Indoor	kg	36.0	36.0
	Outdoor	kg	51.2	51.2
Shipping Weight	Indoor	kg	45.0	45.0
	Outdoor	kg	60.0	60.0
Loading Q'ty	W Pipe	20/40/40HC	24/50/50	24/50/50
	W/O Pipe	20/40/40HC	24/50/50	24/50/50
Technical Information				
SVC Valve	Liquid	OD	6.35mm	6.35mm
	Gas	OD	15.88mm	15.88mm
Piping Length	Max	m	20	20
Piping Height	Max	m	10	10
Features				
Air Purification	S-Plasma ion		•	•
	Zero Filter		•	•
	Full HD Filter		•	•
	Virus Clinic Filter		•	•
	Auto Clean		•	•
	Auto Clean		•	•
Air Flow	Twin Cooling Fans		•	•
	Long Wind		•	•
	Wide Wind		•	•
	Center Wind		•	•
	Left/Right Wind		•	•
Operating Mode	good'sleep		•	•
	Solo		•	•
	Turbo		•	•
	Air Purifying		•	•
	Dehumidification		•	•
	Auto		•	•
	Quiet Mode		•	•
Convenience	Filter Cleaning Indicator		•	•
	Indoor Temp. Display		•	•
	Remote Controller		•	•
	24-Hour Timer		•	•
	Auto Restart		•	•
	Auto Restart		•	•
Eco	Smart Inverter		•	•
	Smart Sensor		•	•
	Green Icon		•	•
Low Ambient	Cooling	°C	-5-46	-5-46
	Heating	°C	-	-

# Middle East

			Jungfrau						
Model Code			AQV09K'AHAC	AQV12K'AHAC	AQV18K'AHAC	AQV09K'ANSTK	AQV12K'ANSTK	AQV18K'ANSTK	
AC Type			INV. HP	INV. HP	INV. HP	INV. HP	INV. HP	INV. HP	
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A	
<b>Performance</b>									
Capacity	Cooling	Btu/hr.	8,530	11,942	17,060	8,530	11,942	17,060	
		(min-max)	3378-11260	3378-13648	5459-20472	3378-11260	3378-13648	5459-20472	
		Cal/hr.	2,150	3,010	4,300	2,150	3,010	4,300	
		(min-max)	850-2840	850-3870	1380-5160	850-2840	850-3870	1380-5160	
		kW	2.5	3.5	5	2.5	3.5	5	
		(min-max)	0.99-3.3	0.99-4.0	1.6-6.0	0.99-3.3	0.99-4.0	1.6-6.0	
	Heating	Btu/hr.	10,918	13,648	20,472	10,918	13,648	20,472	
		(min-max)	3378-20472	3378-23884	4094-25590	3378-20472	3378-23884	4094-25590	
		Cal/hr.	2,752	3,440	5,160	2,752	3,440	5,160	
		(min-max)	850-5160	850-6020	1030-6450	850-5160	850-6020	1030-6450	
		kW	3.2	4.0	6.0	3.2	4.0	6.0	
		(min-max)	0.99-6.0	0.99-7.0	1.2-7.5	0.99-6.0	0.99-7.0	1.2-7.5	
Energy Efficiency	Cooling	EER(Btu/W)	17.7	15.4	11.0	17.7	15.4	11.0	
	Heating	EER(W/W)	5.20	4.50	3.21	5.20	4.50	3.21	
Moisture Removal			5.20	4.50	3.61	5.20	4.50	3.61	
			0.8	1.3	2.0	0.8	1.3	2.0	
Air Circulation (Max)			9.6	10.1	14.4	9.6	10.1	14.4	
Noise Level	Indoor High/Low	dB	39/20	41/20	43/26	39/20	41/20	43/26	
	Outdoor High	dB	45	45	50	45	45	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	220-240/50/1	
Power Consumption	Cooling	W	480	780	1560	480	780	1560	
	Heating	W	620	890	1660	620	890	1660	
Operating Current	Cooling	A	2.4	3.8	7.4	2.4	3.8	7.4	
	Heating	A	3.0	4.1	7.7	3.0	4.1	7.7	
<b>Dimension &amp; Loading Q'ty</b>									
Net Dimension (W'H'D)	Indoor	mm	880*313*237	880*313*237	880*313*237	880*313*237	880*313*237	880*313*237	
	Outdoor	mm	790*545*285	790*545*285	790*545*285	790*545*285	790*545*285	790*545*285	
Net Weight	Indoor	kg	11.5	11.5	11.5	11.5	11.5	11.5	
	Outdoor	kg	35.5	35.5	37.7	35.5	35.5	37.7	
Shipping Weight	Indoor	kg	14.1	14.1	14.2	14.1	14.1	14.2	
	Outdoor	kg	38.6	38.6	40.8	38.6	38.6	40.8	
Loading Q'ty	W Pipe	20/40/40HC	82/167/189	82/167/189	82/167/189	82/167/189	79/167/192	79/167/192	
	W/O Pipe	20/40/40HC	83/171/200	83/171/200	83/171/200	83/171/200	84/174/198	84/174/198	
<b>Technical Information</b>									
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	
Piping Length	Max		15	15	30	15	15	30	
Piping Height	Max		8	8	15	8	8	15	
<b>Features</b>									
Air Purification	S-Plasma ion		•	•	•	•	•	•	
	Auto Roof Shutter		-	-	-	-	-	-	
	Full HD Filter		90	90	90	90	90	90	
	DNA Filter		-	-	-	-	-	-	
	Deodorizing Filter		-	-	-	-	-	-	
	Catechin Filter		-	-	-	-	-	-	
	Allergy Care		•	•	•	•	•	•	
	Anti-bacteria Coating		-	-	-	-	-	-	
	Auto Clean		•	•	•	•	•	•	
	Wide Twin Blade		•	•	•	•	•	•	
Air Flow	Optimal Single Blade		-	-	-	-	-	-	
	Fan speed(Steps)		4	4	4	4	4	4	
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	
	Air Direction (Left/Right)		Auto	Auto	Auto	Auto	Auto	Auto	
Operating Mode	Natural Breeze		•	•	•	•	•	•	
	d'light Cool		•	•	•	•	•	•	
	good'sleep		•	•	•	•	•	•	
	Smart Saver		•	•	•	•	•	•	
	Turbo		•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	
	Quiet Mode		•	•	•	•	•	•	
	Filter Cleaning Indicator		-	-	-	-	-	-	
Convenience	Temp. Display		•	•	•	•	•	•	
	Remote Controller		•	•	•	•	•	•	
	Display On/Off		•	•	•	•	•	•	
	Beep On/Off		•	•	•	•	•	•	
	Real-time Timer		•	•	•	•	•	•	
	24-Hour Timer		-	-	-	-	-	-	
	Auto Restart		•	•	•	•	•	•	
	Auto Changeover		•	•	•	•	•	•	
	Compressor Type		Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	
	Anti-corrosion Fin		•	•	•	•	•	•	
Low Ambient	Cooling	°C	-10-46	-10-46	-10-46	-10-46	-10-46	-10-46	
	Heating	°C	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24	

			P-series(Maldives)							
Model Code			AQV10P'EHAC	AQV13P'EHAC	AQV19P'NHAC	AQV25P'NHAC	AQV09P'MNSTK	AQV12P'MNSTK	AQV18P'MNSTK	AQV24P'MNSTK
AC Type			INV. HP	INV. HP	INV. HP	INV. HP	INV. HP	INV. HP	INV. HP	INV. HP
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
<b>Performance</b>										
Capacity	Cooling	Btu/hr.	8,530	11,942	17,743	23,203	8,530	11,260	17,061	23,203
		(min-max)	3310-11260	3310-13648	5,118-20,473	5,118-27,297	2,559-10,919	2,559-12,966	5,459-20,473	5,118-27,297
		Cal/hr.	2,150	3,010	4,471	5,847	2,150	2,837	4,299	5,847
		(min-max)	850-2,840	834-3,439	1,290-5,159	1,290-6,879	645-2,752	645-3,267	1,376-5,159	1,290-6,879
		kW	2.5	3.5	5.2	6.8	2.5	3.3	5.0	6.8
		(min-max)	0.99-3.3	1.0-4.0	1.5-6.0	1.5-8.0	0.75-3.2	0.75-3.8	1.6-6.0	1.5-8.0
	Heating	Btu/hr.	11,260	13,648	21,496	26,615	11,260	13,649	20,473	26,615
		(min-max)	3310-16036	3310-18425	4,436-25,591	4,436-29,686	3,242-13,990	3,242-16,378	4,095-25,591	4,436-29,686
		Cal/hr.	2,840	3,440	5,417	6,707	2,837	3,439	5,159	6,707
		(min-max)	850-4,050	850-4,650	1,118-6,449	1,118-7,481	817-3,525	817-4,127	1,032-6,449	1,118-7,481
		kW	3.3	4.0	6.3	7.8	3.3	4.0	6.0	7.8
		(min-max)	0.99-4.7	0.99-5.4	1.3-7.5	1.3-8.7	0.95-4.1	0.95-4.8	1.2-7.5	1.3-8.7
Energy Efficiency	Cooling	EER(Btu/W)	14.3	11.9	11.8	11.0	11.60	11.0	11.0	
	Heating	EER(W/W)	4.20	3.50	3.47	3.21	3.40	3.21	3.40	
Moisture Removal			4.30	3.90	3.82	3.61	3.63	3.61	3.61	
			0.9	1.4	2.5	3.0	1.0	1.4	2.5	
Air Circulation (Max)			9.0	9.8	13.0	15.0	8.0	9.0	13.0	
Noise Level	Indoor High/Low	dB	36/21	38/21	42/30	42/30	35/21	37/21	40/30	
	Outdoor High	dB	45	45	51	51	45	47	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	220-240/50/1	220-240/50/1	220-240/50/1
Power Consumption	Cooling	W	620	1060	1500	2120	740	1030	1470	
	Heating	W	800	1080	1650	2160	910	1110	1660	
Operating Current	Cooling	A	3.0	4.8	7.0	9.5	3.8	4.8	6.8	
	Heating	A	3.8	4.9	7.7	10.0	4.4	5.2	7.7	
<b>Dimension &amp; Loading Q'ty</b>										
Net Dimension (W'H'D)	Indoor	mm	820*285*205	820*285*205	1065*298*230	1065*298*230	820*285*205	820*285*205	1065*298*230	1065*298*230
	Outdoor	mm	790*545*285	790*545*285	880*638*310	880*638*310	720*548*265	720*548*265	880*638*310	880*638*310
Net Weight	Indoor	kg	8.2	8.2	11.5	11.5	8.4	8.4	11.4	
	Outdoor	kg	30.5	30.5	45.4	45.4	27	28.1	42.2	
Shipping Weight	Indoor	kg	10.2	10.2	14.1	14.1	10.4	10.4	14.1	
	Outdoor	kg	34.5	34.5	52.4	52.4	30.9	31.9	49.4	
Loading Q'ty	W Pipe	20/40/40HC	96/205/233	96/205/233	57/126/132	57/126/132	84/177/211	84/177/211	57/126/132	
	W/O Pipe	20/40/40HC	106/231/259	106/231/259	60/128/141	60/128/141	93/192/227	93/192/227	60/128/141	
<b>Technical Information</b>										
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	Ø 9.52mm	Ø 9.52mm	Ø 15.88mm	Ø 15.88mm	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	
Piping Length	Max		15	15	30	30	15	15	30	
Piping Height	Max		8	8	15	15	7	7	15	
<b>Features</b>										
Air Purification	S-Plasma ion		•	•	•	•	•	•	•	
	Auto Roof Shutter		-	-	-	-	-	-	-	
	Full HD Filter		80	80	80	80	80	80	80	
	DNA Filter		-	-	-	-	-	-	-	
	Deodorizing Filter		-	-	-	-	-	-	-	
	Catechin Filter		-	-	-	-	-	-	-	
	Allergy Care		•	•	•	•	•	•	•	
	Anti-bacteria Coating		-	-	-	-	-	-	-	
	Auto Clean		•	•	•	•	•	•	•	
	Wide Twin Blade		•	•	•	•	•	•	•	
Air Flow	Optimal Single Blade		-	-	-	-	-	-	-	
	Fan speed(Steps)		4	4	4	4	4	4	4	
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	
	Air Direction (Left/Right)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	
	d'light Cool		•	•	•	•	•	•	•	
	good'sleep		•	•	•	•	•	•	•	
	Smart Saver		•	•	•	•	•	•	•	
	Turbo		•	•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	•	
	Fan Mode									



# Middle East

			T-series (Boracay)					
Model Code			AS24T*NXSG	AQ09T*LNMR	AQ12T*LNMR	AQ18T*LNMR	AQ24T*PNMRC	AQ12T*NUMG
AC Type			CO	HP	HP	HP	HP	HP
Refrigerant Type			R22	R22	R22	R22	R22	R22
<b>Performance</b>								
Capacity	Cooling	Btu/hr.	24,000	9,500	12,000	18,000	24,000	12,000
		(min-max)	-	-	-	-	-	-
		Cal/hr.	6,048	2,394	3,024	4,536	6,048	3,024
		(min-max)	-	-	-	-	-	-
		kW	7.0	2.8	3.5	5.3	7.0	3.5
	Heating	Btu/hr.	-	10,000	13,000	20,000	24,000	13,000
		(min-max)	-	-	-	-	-	-
		Cal/hr.	-	2,520	3,276	5,040	6,048	3,276
		(min-max)	-	-	-	-	-	-
		kW	-	2.9	3.8	5.9	7.0	3.8
Energy Efficiency	Cooling	EER(Btu/W)	9.23	9.50	9.23	9.47	9.60	8.57
	Heating	EER(W/W)	2.71	2.78	2.71	2.78	2.81	2.51
Moisture Removal		ℓ/hr.	2.4	1.0	1.5	1.8	2.4	1.5
	Air Circulation (Max)	m <sup>3</sup> /min	17.0	7.5	9.5	13.0	17.0	9.5
Noise Level	Indoor High/Low	dB	41/33	34/24	35/27	39/33	44/35	38/30
	Outdoor High	dB	53	49	50	52	54	49
<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	220/60/1
Power Consumption	Cooling	W	2600	1000	1300	1900	2500	1400
	Heating	W	-	900	1160	1900	2650	1230
Operating Current	Cooling	A	12.5	4.6	6	9	12	6.4
	Heating	A	-	4.2	5.5	9.0	12.5	5.6
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W*H*D)	Indoor	mm	1065*298*225	820*285*210	820*285*210	1065*298*225	1065*298*225	820*285*210
	Outdoor	mm	790*548*285	660*475*242	660*475*242	720*548*265	790*548*285	660*475*242
Net Weight	Indoor	kg	11.9	8.4	8.4	11.2	11.9	8.4
	Outdoor	kg	42	26	26	32.4	46.68	26
Shipping Weight	Indoor	kg	14.5	10.4	10.4	13.8	14.4	10.4
	Outdoor	kg	46.5	30	30	34.4	51.22	27.05
Loading Q'ty	W Pipe	20/40/40HC	75/162/187	120/248/280	120/248/280	78/166/203	75/162/187	120/248/280
	W/O Pipe	20/40/40HC	72/150/178	104/224/248	104/224/248	75/162/184	72/150/178	104/224/248
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 15.88mm	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 12.7mm
Piping Length	Max	m	20	15	15	15	20	15
Piping Height	Max	m	8	7	7	7	8	7
<b>Features</b>								
Air Purification	S-Plasma ion		-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		80	80	80	80	80	80
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		AUTO	AUTO	AUTO	AUTO	AUTO	AUTO
	Air Direction (Left/Right)		MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL
Operating Mode	Natural Breeze		•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
	Convenience	Filter Cleaning Indicator		-	-	-	-	-
Temp. Display			-	-	-	-	-	-
Remote Controller			•	•	•	•	•	•
Display On/Off			-	-	-	-	-	-
Beep On/Off			•	•	•	•	•	•
Real-time Timer			-	-	-	-	-	-
24-Hour Timer			•	•	•	•	•	•
Auto Restart			•	•	•	•	•	•
Auto Changeover			-	-	-	-	-	-
Outdoor Unit		Compressor Type		UTR	ROTARY	UTR	UTR	UTR
	Anti-corrosion Fin		•	•	•	•	•	•
	Multi-channel Condensor		-	-	-	-	-	-
Low Ambient	Cooling	°C	15-52	15-43	15-52	15-52	15-52	15-52
	Heating	°C	-	-5-24	-5-24	-5-24	-5-24	-5-24

			T-series (Boracay)				Crystal				
Model Code			AS12T*LUMG	AQ18T*NUMG	AS18T*NUMG	AQ24T*LUMG	AS24T*LUMG	AQ09E*MNSTK	AQ12E*MNSTK	AQ18E*MNSTK	
AC Type			CO	HP	CO	HP	CO	HP	HP	HP	
Refrigerant Type			R22	R22	R22	R22	R22	R410a	R410a	R410a	
<b>Performance</b>											
Capacity	Cooling	Btu/hr.	12,000	18,000	18,000	24,000	24,000	9,383	11,942	18,084	
		(min-max)	-	-	-	-	-	-	-	-	-
		Cal/hr.	3,024	4,536	4,536	6,048	6,048	2,365	3,009	4,557	
		(min-max)	-	-	-	-	-	-	-	-	-
		kW	3.5	5.3	5.3	7.0	7.0	2.7	3.5	5.3	
	Heating	Btu/hr.	-	20,000	-	24,000	-	9,895	12,966	20,473	
		(min-max)	-	-	-	-	-	-	-	-	
		Cal/hr.	-	5,040	-	6,048	-	2,494	3,267	5,159	
		(min-max)	-	-	-	-	-	-	-	-	
		kW	-	5.9	-	7.0	-	2.9	3.8	6.0	
Energy Efficiency	Cooling	EER(Btu/W)	9.23	9.47	9.47	9.23	8.73	3.22	3.21	3.21	
	Heating	EER(W/W)	2.71	2.78	2.78	2.71	2.56	0.94	0.94	0.94	
Moisture Removal		ℓ/hr.	1.5	1.8	1.8	2.4	2.4	1.0	1.5	1.8	
	Air Circulation (Max)	m <sup>3</sup> /min	9.5	13.0	13.0	17.0	17.0	7.5	9.5	13.0	
Noise Level	Indoor High/Low	dB	36/26	38/33	40/34	41/35	40/33	35/24	36/24	37/33	
	Outdoor High	dB	50	52	51	54	51	49	50	52	
<b>Electrical Data</b>											
Power Source		V/Hz/Ø	220/60/1	220/60/1	220/60/1	220/60/1	220/60/1	220-240/50/1	220-240/50/1	220-240/50/1	
Power Consumption	Cooling	W	1300	1900	1900	2600	2750	855	1090	1650	
	Heating	W	-	1900	-	2600	-	803	1053	1660	
Operating Current	Cooling	A	6.2	8.8	8.8	12.0	13.5	4.1	5.4	8.3	
	Heating	A	-	8.2	-	12.0	-	3.7	5.1	8.1	
<b>Dimension &amp; Loading Q'ty</b>											
Net Dimension (W*H*D)	Indoor	mm	820*285*210	1065*298*225	1065*298*225	1065*298*225	1065*298*225	820*285*190	820*285*190	1065*298*222	
	Outdoor	mm	660*475*242	790*548*285	720*548*265	880*638*310	790*548*285	660*475*242	660*475*242	880*638*310	
Net Weight	Indoor	kg	8.4	11.2	11.5	11.9	12	8.2	8.65	11.2	
	Outdoor	kg	26	37.9	32.5	56	39	23.4	25.75	43.8	
Shipping Weight	Indoor	kg	10.4	13.8	14	14.4	14.5	10.3	10.46	14.2	
	Outdoor	kg	30	41	34.2	58	43	26.6	28.92	48.7	
Loading Q'ty	W Pipe	20/40/40HC	120/248/280	75/162/187	78/166/203	60/128/141	75/162/187	120/248/280	120/248/280	60/128/141	
	W/O Pipe	20/40/40HC	104/224/248	72/150/178	75/162/184	57/126/132	72/150/178	104/224/248	104/224/248	57/126/132	
<b>Technical Information</b>											
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 15.88mm	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	
Piping Length	Max	m	15	15	15	20	15	15	15	15	
Piping Height	Max	m	7	7	7	8	8	7	7	7	
<b>Features</b>											
Air Purification	S-Plasma ion		-	-	-	-	-	•	•	•	
	Auto Roof Shutter		-	-	-	-	-	-	-	-	
	Full HD Filter		80	80	80	80	80	80	80	80	
	DNA Filter		-	-	-	-	-	-	-	-	
	Deodorizing Filter		-	-	-	-	-	•	•	•	
	Catechin Filter		-	-	-	-	-	•	•	•	
	Allergy Care		-	-	-	-	-	•	•	•	
	Anti-bacteria Coating		•	•	•	•	•	•	•	•	
	Auto Clean		•	•	•	•	•	•	•	•	
	Wide Twin Blade		-	-	-	-	-	-	-	-	
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•	•	
	Fan speed(Steps)		4	4	4	4	4	4	4	4	
	Air Direction (Up/Down)		AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	
	Air Direction (Left/Right)		MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	•	
	d'light Cool		-	-	-	-	-	-	-	-	
	good'sleep		•	•	•	•	•	•	•	•	
	Smart Saver		•	•	•	•	•	•	•	•	
	Turbo		•	•	•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	•	•	
	Quiet Mode		-	-	-	-	-	-	-	-	
	Convenience	Filter Cleaning Indicator		-	-	-	-	-	•	•	•
Temp. Display			-	-	-	-	-	•	•	•	
Remote Controller			•	•	•	•	•	•	•	•	
Display On/Off			-	-	-	-	-	•	•	•	
Beep On/Off			•	•	•	•	•	•	•	•	
Real-time Timer			-	-	-	-	-	-	-	-	
24-Hour Timer			•	•	•	•	•	•	•	•	
Auto Restart			•	•	•	•	•	•	•	•	
Auto Changeover			-	-	-	-	-	-	-	-	
Outdoor Unit		Compressor Type		UTR	UTR	UTR	UTR	UTR	ROTARY	ROTARY	ROTARY
	Anti-corrosion Fin										



# Middle East

			Crystal					
Model Code			AQ24E*MNSTK	AQ09E*PXSG	AQ12E*PXSG	AS12E*PXSG	AQ18E*PXSG	AS18E*PXSG
AC Type			HP	HP	HP	CO	HP	CO
Refrigerant Type			R410a	R22	R22	R22	R22	R22
<b>Performance</b>								
Capacity	Cooling	Btu/hr.	23,885	9,500	12,000	12,000	18,000	18,000
		(min-max)	-	-	-	-	-	-
		Cal/hr.	6,019	2,394	3,024	3,024	4,536	4,536
		(min-max)	-	-	-	-	-	-
		kW	7.0	2.8	3.5	3.5	5.3	5.3
		(min-max)	-	-	-	-	-	-
	Heating	Btu/hr.	24,909	10,000	13,000	-	20,000	-
		(min-max)	-	-	-	-	-	-
		Cal/hr.	6,277	2,520	3,276	-	5,040	-
		(min-max)	-	-	-	-	-	-
		kW	7.3	2.9	3.8	-	5.9	-
		(min-max)	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	3.02	9.50	9.23	9.1	9.47	9.00
	Heating	EER(W/W)	0.88	2.78	2.71	2.66	2.78	2.64
Moisture Removal		ℓ/hr.	2.4	1.0	1.5	1.5	1.8	1.8
	Air Circulation (Max)	m <sup>3</sup> /min	17.0	7.5	9.5	9.5	13.0	13.0
Noise Level	Indoor High/Low	dB	39/35	34/24	35/27	36/26	39/33	39/34
	Outdoor High	dB	52	49	50	50	52	54
<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
Power Consumption	Cooling	W	2320	1000	1300	1320	1900	2000
	Heating	W	2330	900	1160	-	1900	-
Operating Current	Cooling	A	10.8	4.6	6	6.1	9	9.5
	Heating	A	11.2	4.2	5.5	-	9.0	-
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W*H*D)	Indoor	mm	1065*298*222	820*285*190	820*285*190	820*285*190	1065*298*222	1065*298*222
	Outdoor	mm	880*638*310	660*475*242	660*475*242	660*475*242	720*548*265	720*548*265
Net Weight	Indoor	kg	12.3	8.4	8.4	8.4	11.2	13
	Outdoor	kg	50.27	26	26	26	32.4	32.4
Shipping Weight	Indoor	kg	14.8	10.4	10.4	10.4	14.2	16
	Outdoor	kg	54.53	30	30	30	34.4	34.4
Loading Q'ty	W Pipe	20/40/40HC	60/128/141	120/248/280	120/248/280	120/248/280	78/166/203	78/166/203
	W/O Pipe	20/40/40HC	57/126/132	104/224/248	104/224/248	104/224/248	75/162/184	75/162/184
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 15.88mm	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm
Piping Length	Max	m	20	15	15	15	15	15
Piping Height	Max	m	8	7	7	7	7	7
<b>Features</b>								
Air Purification	S-Plasma ion		•	•	•	•	•	•
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		80	80	80	80	80	80
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		•	•	•	•	•	•
	Catechin Filter		•	•	•	•	•	•
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		AUTO	AUTO	AUTO	Auto	AUTO	AUTO
	Air Direction (Left/Right)		MANUAL	MANUAL	MANUAL	Manual	MANUAL	MANUAL
	Natural Breeze		•	•	•	•	•	•
Operating Mode	d'light Cool		-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
	Filter Cleaning Indicator		•	•	•	•	•	•
	Temp. Display		•	•	•	•	•	•
Convenience	Remote Controller		•	•	•	•	•	•
	Display On/Off		•	•	•	•	•	•
	Beep On/Off		•	•	•	•	•	•
	Real-time Timer		-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•
	Auto Changeover		•	•	•	•	•	•
	Compressor Type		ROTARY	ROTARY	UTR	UTR	UTR	UTR
	Anti-corrosion Fin		•	•	•	•	•	•
	Multi-channel Condensor		-	-	-	-	-	-
Low Ambient	Cooling	°C	15-43	15-43	15-52	15-43	15-52	15-52
	Heating	°C	-5-24	-5-24	-5-24	-5-24	-5-24	-

			Crystal							
Model Code			AQ24E*QXSG	AS24E*QXSG	AQ13E*PHAC	AS13E*PHAC	AQ19E*PHAC	AS19E*PHAC	AQ25E*QHAC	AS25E*QHAC
AC Type			HP	CO	HP	CO	HP	CO	HP	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22	R22	R22
<b>Performance</b>										
Capacity	Cooling	Btu/hr.	24,000	24,000	12,200	12,500	18,000	18,500	24,800	24,000
		(min-max)	-	-	-	-	-	-	-	-
		Cal/hr.	6,048	6,048	3,074	3,150	4,536	4,662	6,249	6,048
		(min-max)	-	-	-	-	-	-	-	-
		kW	7.0	7.0	3.6	3.7	5.3	5.4	7.3	7.0
		(min-max)	-	-	-	-	-	-	-	-
	Heating	Btu/hr.	24,000	-	12,800	-	20,500	-	24,800	-
		(min-max)	-	-	-	-	-	-	-	-
		Cal/hr.	6,048	-	3,226	-	5,166	-	6,249	-
		(min-max)	-	-	-	-	-	-	-	-
		kW	7.0	-	3.8	-	6.0	-	7.3	-
		(min-max)	-	-	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	9.60	9.23	10.25	10.25	10.29	10.28	10.25	10.26
	Heating	EER(W/W)	2.81	2.71	3.01	3.00	3.02	3.01	3.00	3.01
Moisture Removal		ℓ/hr.	2.65	-	3.41	-	3.34	-	2.87	-
	Air Circulation (Max)	m <sup>3</sup> /min	2.4	2.4	1.5	1.5	1.8	1.8	2.4	2.4
Noise Level	Indoor High/Low	dB	44/35	41/33	37/27	37/25	39/32	39/31	42/33	42/33
	Outdoor High	dB	54	52	49	50	52	53	54	54
<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	2500	2600	1190	1220	1750	1800	2420	2340
	Heating	W	2650	-	1100	-	1800	-	2530	-
Operating Current	Cooling	A	12	12.5	6	5.3	9	9.5	12	12
	Heating	A	12.5	-	5.5	-	9	-	12.5	-
<b>Dimension &amp; Loading Q'ty</b>										
Net Dimension (W*H*D)	Indoor	mm	1065*298*222	1065*298*222	820*285*190	820*285*190	1065*298*222	1065*298*222	1065*298*222	1065*298*222
	Outdoor	mm	790*548*285	790*548*285	720*548*265	660*475*242	880*638*310	720*548*265	880*638*310	880*638*310
Net Weight	Indoor	kg	12.3	11.9	8.4	8.4	11.2	13	12.3	13
	Outdoor	kg	46.68	42	32.4	26	56	32.4	4.49	48
Shipping Weight	Indoor	kg	14.8	14.5	10.4	10.4	14.2	16	14.8	16
	Outdoor	kg	51.22	46.5	34.4	30	58	34.4	59.72	52.8
Loading Q'ty	W Pipe	20/40/40HC	75/162/187	75/162/187	93/192/227	120/248/280	60/128/141	78/166/203	60/128/141	60/128/141
	W/O Pipe	20/40/40HC	72/150/178	72/150/178	84/177/211	104/224/248	57/126/132	75/162/184	57/126/132	57/126/132
<b>Technical Information</b>										
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 15.88mm	Ø 15.88mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 15.88mm
Piping Length	Max	m	20	20	15	15	15	15	20	20
Piping Height	Max	m	8	8	7	7	7	7	8	8
<b>Features</b>										
Air Purification	S-Plasma ion		•	•	•	•	•	•	•	•
	Auto Roof Shutter		-	-	-	-	-	-	-	-
	Full HD Filter		80	80	80	80	80	80	80	80
	DNA Filter		-	-	-	-	-	-	-	-
	Deodorizing Filter		•	•	•	•	•	•	•	•
	Catechin Filter		•	•	•	•	•	•	•	•
	Allergy Care		-	-	-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4	4	4
	Air Direction (Up/Down)		AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO
	Air Direction (Left/Right)		MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL
	Natural Breeze		•	•	•	•	•	•	•	•
Operating Mode	d'light Cool		-	-	-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•	•	•
	Turbo		•	•	•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-	-	-
	Filter Cleaning Indicator		•	•	•	•	•	•	•	•
	Temp. Display		•	•	•	•	•	•	•	•
Convenience	Remote Controller		•	•	•	•	•	•	•	•
	Display On/Off		•	•	•	•	•	•	•	•
	Beep On/Off		•	•	•	•	•	•	•	•
	Real-time Timer		-	-	-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•	•	•
	Auto Restart		•	•	•	•				

# Middle East

			Crystal					
Model Code			AQ18E*QUMG	AS18E*QUMG	AQ24E*PUMG	AS24E*PUMG	AQ09E*PNMRC	AQ12E*PNMRC
AC Type			HP	CO	HP	CO	HP	HP
Refrigerant Type			R22	R22	R22	R22	R22	R22
<b>Performance</b>								
Capacity	Cooling	Btu/hr.	18,000	18,000	24,000	24,000	9,500	12,000
		(min-max)	-	-	-	-	-	-
		Cal/hr.	4,536	4,536	6,048	6,048	2,394	3,024
		(min-max)	-	-	-	-	-	-
		kW	5.3	5.3	7.0	7.0	2.8	3.5
		(min-max)	-	-	-	-	-	-
	Heating	Btu/hr.	20,000	-	24,000	-	10,000	13,000
		(min-max)	-	-	-	-	-	-
		Cal/hr.	5,040	-	6,048	-	2,520	3,276
		(min-max)	-	-	-	-	-	-
		kW	5.9	-	7.0	-	2.9	3.8
		(min-max)	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	9.5	9.47	9.23	8.73	9.5	9.2
		EER(W/W)	2.78	2.78	2.71	2.56	2.784	2.705
	Heating	COP(W/W)	3.09	-	2.71	-	3.256	3.284
Moisture Removal		ℓ/hr.	1.8	1.8	2.4	2.4	1.0	1.5
Air Circulation (Max)		m <sup>3</sup> /min	13.0	13.0	17.0	17.0	7.5	9.5
Noise Level	Indoor High/Low	dB	40/32	40/32	40/33	42/33	34/24	35/27
	Outdoor High	dB	52	52	52	54	49	50
<b>Electrical Data</b>								
Power Source		V/Hz/Ø	220/60/1	220/60/1	220/60/1	220/60/1	220-240/50/1	220-240/50/1
Power Consumption	Cooling	W	1900	1900	2600	2750	1000	1300
	Heating	W	1900	-	2600	-	900	1160
Operating Current	Cooling	A	8.8	8.8	12	13.5	4.6	6
	Heating	A	8.2	-	12.0	-	4.2	5.5
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W*H*D)	Indoor	mm	1065*298*222	1065*298*222	1065*298*222	1065*298*222	820*285*190	820*285*190
	Outdoor	mm	790*548*285	720*548*265	880*638*310	790*548*285	660*475*242	660*475*242
Net Weight	Indoor	kg	11.4	11.6	12.3	13	8.4	8.4
	Outdoor	kg	37.9	32.5	56	39	26	26
Shipping Weight	Indoor	kg	13.9	14.1	14.8	16	10.4	10.4
	Outdoor	kg	41	34.2	58	43	30	30
Loading Q'ty	W Pipe	20/40/40HC	75/162/187	78/166/203	60/128/141	75/162/187	120/248/280	120/248/280
	W/O Pipe	20/40/40HC	72/150/178	75/162/184	57/126/132	72/150/178	104/224/248	104/224/248
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 15.88mm	Ø 9.52mm	Ø 12.7mm
Piping Length	Max	m	15	15	20	20	15	15
Piping Height	Max	m	7	7	8	8	7	7
<b>Features</b>								
Air Purification	S-Plasma ion		•	•	•	•	•	•
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		80	80	80	80	80	80
	DNA Filter		•	•	•	•	•	•
	Deodorizing Filter		•	•	•	•	•	•
	Catechin Filter		•	•	•	•	•	•
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	AUTO	AUTO	AUTO	Auto	Auto
	Air Direction (Left/Right)		Manual	MANUAL	MANUAL	MANUAL	Manual	Manual
Operating Mode	Natural Breeze		•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
	Convenience	Filter Cleaning Indicator		•	•	•	•	•
Convenience	Temp. Display		•	•	•	•	•	•
	Remote Controller		•	•	•	•	•	•
	Display On/Off		•	•	•	•	•	•
	Beep On/Off		•	•	•	•	•	•
	Real-time Timer		-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•
	Auto Changeover		•	•	•	•	•	•
	Outdoor Unit	Compressor Type		UTR	UTR	UTR	Rotary	UTR
	Low Ambient	Anti-corrosion Fin		•	•	•	•	•
Multi-channel Condensor			-	-	-	-	-	
Cooling	°C		15-52	15-52	15-52	15-52	15-52	
	°C		-5-24	-	-5-24	-	-5-24	-5-24

			Crystal				Max			
Model Code			AQ18E*PNMRC	AQ24E*QNMRC	AS19E*QSGE	AS25E*QSGE	AQ13U*PHAC	AS13U*PHAC	AQ19U*PHAC	AS19U*PHAC
AC Type			HP	HP	CO	CO	HP	CO	HP	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22	R22	R22
<b>Performance</b>										
Capacity	Cooling	Btu/hr.	18,000	24,000	18,500	24,000	12,200	12,500	18,000	18,500
		(min-max)	-	-	-	-	-	-	-	-
		Cal/hr.	4,536	6,048	4,662	6,048	3,074	3,150	4,536	4,662
		(min-max)	-	-	-	-	-	-	-	-
		kW	5.3	7.0	5.4	7.0	3.6	3.7	5.3	5.4
		(min-max)	-	-	-	-	-	-	-	-
	Heating	Btu/hr.	20,000	24,000	-	-	12,800	-	20,500	-
		(min-max)	-	-	-	-	-	-	-	-
		Cal/hr.	5,040	6,048	-	-	3,226	-	5,166	-
		(min-max)	-	-	-	-	-	-	-	-
		kW	5.9	7.0	-	-	3.8	-	6.0	-
		(min-max)	-	-	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	9.5	9.6	10.3	10.26	10.25	10.25	10.29	10.28
		EER(W/W)	2.777	2.813	3.012	3.01	3.01	3.00	3.02	3.01
	Heating	COP(W/W)	3.085	2.654	-	-	3.41	-	3.34	-
Moisture Removal		ℓ/hr.	1.8	2.4	1.8	2.4	1.5	1.5	1.8	
Air Circulation (Max)		m <sup>3</sup> /min	13.0	17.0	13.0	17	9.5	9.5	13.0	
Noise Level	Indoor High/Low	dB	39/33	44/35	39/31	42/33	37/27	37/25	39/32	39/31
	Outdoor High	dB	52	54	53	54	49	50	52	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	220-240/50/1	220-240/50/1	220-240/50/1
Power Consumption	Cooling	W	1900	2500	1800	2340	1190	1220	1750	1800
	Heating	W	1900	2650	-	-	1100	-	1800	-
Operating Current	Cooling	A	9	12	9.5	12	6	5.3	9	9.5
	Heating	A	9.0	12.5	-	-	5.5	-	9	-
<b>Dimension &amp; Loading Q'ty</b>										
Net Dimension (W*H*D)	Indoor	mm	1065*298*222	1065*298*222	1065*298*222	1065*298*222	820*285*190	820*285*190	1065*298*222	1065*298*222
	Outdoor	mm	720*548*265	790*548*285	720*548*265	880*638*310	720*548*265	660*475*242	880*638*310	720*548*265
Net Weight	Indoor	kg	11.2	12.3	13	13	8.4	8.4	13	13
	Outdoor	kg	32.4	46.68	32.4	48	26	26	56	32.4
Shipping Weight	Indoor	kg	14.2	14.8	16	16	10.4	10.4	16	16
	Outdoor	kg	34.4	51.22	34.4	52.8	34.4	30	58	34.4
Loading Q'ty	W Pipe	20/40/40HC	78/166/203	75/162/187	78/166/203	60/128/141	93/192/227	120/248/280	60/128/141	78/166/203
	W/O Pipe	20/40/40HC	75/162/184	72/150/178	75/162/184	57/126/132	84/177/211	104/224/248	57/126/132	75/162/184
<b>Technical Information</b>										
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 12.7mm	Ø 15.88mm	Ø 12.7mm	Ø 15.88mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm
Piping Length	Max	m	15	20	15	20	15	15	15	15
Piping Height	Max	m	7	8	7	8	7	7	7	7
<b>Features</b>										
Air Purification	S-Plasma ion		•	•	•	•	•	•	•	•
	Auto Roof Shutter		-	-	-	-	-	-	-	-
	Full HD Filter		80	80	80	80	60	60	60	60
	DNA Filter		•	•	•	•	•	•	•	•
	Deodorizing Filter		•	•	•	•	•	•	•	•
	Catechin Filter		•	•	•	•	•	•	•	•
	Allergy Care		-	-	-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	AUTO	AUTO	AUTO	AUTO	AUTO	Auto	AUTO
	Air Direction (Left/Right)		Manual	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	Manual	MANUAL
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•	•	•
	Turbo		•	•	•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-	-	-
	Convenience	Filter Cleaning Indicator		•	•	•	•	•	•	•
Convenience	Temp. Display		•	•	•	•	•	•	•	•
	Remote Controller		•	•	•	•	•	•	•	•
	Display On/Off		•	•	•	•	•	•	•	•
	Beep On/Off		•	•	•	•				

# Middle East

			Max						
Model Code			AQ25U*QHAC	AS25U*QHAC	AQ12U*PXSG	AS12U*PXSG	AQ18U*PXSG	AS18U*PXSG	
AC Type			HP	CO	HP	CO	HP	CO	
Refrigerant Type			R22	R22	R22	R22	R22	R22	
<b>Performance</b>									
Capacity	Cooling	Btu/hr.	24,800	24,000	12,000	12,000	18,000	18,000	
		(min-max)	-	-	-	-	-	-	
		Cal/hr.	6,249	6,048	3,024	3,024	4,536	4,536	
		(min-max)	-	-	-	-	-	-	
		kW	7.3	7.0	3.5	3.5	5.3	5.3	
		(min-max)	-	-	-	-	-	-	
	Heating	Btu/hr.	24,800	-	13,000	-	20,000	-	
		(min-max)	-	-	-	-	-	-	
		Cal/hr.	6,249	-	3,276	-	5,040	-	
		(min-max)	-	-	-	-	-	-	
		kW	7.3	-	3.8	-	5.9	-	
		(min-max)	-	-	-	-	-	-	
Energy Efficiency	Cooling	EER(Btu/W)	10.25	10.26	9.23	9.09	9.47	9.00	
	Heating	EER(W/W)	3.00	3.01	2.71	2.66	2.78	2.64	
Moisture Removal		ℓ/hr.	2.4	2.4	1.5	1.5	1.8	1.8	
	Air Circulation (Max)	m <sup>3</sup> /min	17.0	17.0	9.5	9.5	13.0	13.0	
Noise Level	Indoor High/Low	dB	42/33	42/33	35/27	36/26	39/33	39/34	
	Outdoor High	dB	54	54	50	50	52	54	
<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	
Power Consumption	Cooling	W	2420	2340	1300	1320	1900	2000	
	Heating	W	2530	-	1160	-	1900	-	
Operating Current	Cooling	A	12.0	12	6	6.1	9	9.5	
	Heating	A	12.5	-	5.5	-	9.0	-	
<b>Dimension &amp; Loading Q'ty</b>									
Net Dimension (W*H*D)	Indoor	mm	1065*298*222	1065*298*222	820*285*190	820*285*190	1065*298*222	1065*298*222	
	Outdoor	mm	880*638*310	880*638*310	660*475*242	660*475*242	720*548*265	720*548*265	
Net Weight	Indoor	kg	12.06	12	8.4	8.4	13	13	
	Outdoor	kg	54.49	48	26	26	32.4	32.4	
Shipping Weight	Indoor	kg	14.56	14.5	10.4	10.4	16	16	
	Outdoor	kg	59.72	52.8	30	30	34.4	34.4	
Loading Q'ty	W Pipe	20/40/40HC	60/128/141	60/128/141	120/248/280	120/248/280	78/166/203	78/166/203	
	W/O Pipe	20/40/40HC	57/126/132	57/126/132	104/224/248	104/224/248	75/162/184	75/162/184	
<b>Technical Information</b>									
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	Ø 15.88mm	Ø 15.88mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	
Piping Length	Max	m	20	20	15	15	15	20	
Piping Height	Max	m	8	8	7	7	7	7	
<b>Features</b>									
Air Purification	S-Plasma ion		-	-	-	-	-	-	
	Auto Roof Shutter		-	-	-	-	-	-	
	Full HD Filter		60	60	60	60	60	60	
	DNA Filter		-	-	-	-	-	-	
	Deodorizing Filter		-	-	-	-	-	-	
	Catechin Filter		-	-	-	-	-	-	
	Allergy Care		-	-	-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	•	•	
	Auto Clean		•	•	•	•	•	•	
	Wide Twin Blade		-	-	-	-	-	-	
Air Flow	Optimal Single Blade		•	•	•	•	•	•	
	Fan speed(Steps)		4	4	4	4	4	4	
	Air Direction (Up/Down)		AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	
	Air Direction (Left/Right)		MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	
Operating Mode	Natural Breeze		•	•	•	•	•	•	
	d'light Cool		-	-	-	-	-	-	
	good'sleep		•	•	•	•	•	•	
	Smart Saver		•	•	•	•	•	•	
	Turbo		•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	
	Quiet Mode		-	-	-	-	-	-	
	Convenience	Filter Cleaning Indicator		-	-	-	-	-	
Convenience	Temp. Display		-	-	-	-	-	-	
	Remote Controller		•	•	•	•	•	•	
	Display On/Off		-	-	-	-	-	-	
	Beep On/Off		-	-	-	-	-	-	
	Real-time Timer		-	-	-	-	-	-	
	24-Hour Timer		•	•	•	•	•	•	
	Auto Restart		•	•	•	•	•	•	
	Auto Changeover		•	•	•	•	•	•	
	Outdoor Unit	Compressor Type		UTR	UTR	UTR	UTR	UTR	
	Low Ambient	Anti-corrosion Fin		•	•	•	•	•	
Multi-channel Condensor			-	-	-	-	-		
Cooling		°C	15-52	15-52	15-52	15-52	15-52		
Heating	°C	-5-24	-	-5-24	-	-5-24	-		

			Max							
Model Code			AQ24U*QXSG	AS24U*QXSG	AQ12UUQUMG	AS12U*PUMG	AQ18U*QUMG	AS18U*QUMG	AQ24U*PUMG	AS24U*PUMG
AC Type			HP	CO	HP	CO	HP	CO	HP	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22	R22	R22
<b>Performance</b>										
Capacity	Cooling	Btu/hr.	24,000	24,000	12,000	12,000	18,000	18,000	24,000	24,000
		(min-max)	-	-	-	-	-	-	-	-
		Cal/hr.	6,048	6,048	3,024	3,024	4,536	4,536	6,048	6,048
		(min-max)	-	-	-	-	-	-	-	-
		kW	7.0	7.0	3.5	3.5	5.3	5.3	7.0	7.0
		(min-max)	-	-	-	-	-	-	-	-
	Heating	Btu/hr.	24,000	-	13,000	-	20,000	-	24,000	-
		(min-max)	-	-	-	-	-	-	-	-
		Cal/hr.	6,048	-	3,276	-	5,040	-	6,048	-
		(min-max)	-	-	-	-	-	-	-	-
		kW	7.0	-	3.8	-	5.9	-	7.0	-
		(min-max)	-	-	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	9.60	9.23	8.57	9.23	9.47	9.47	9.23	8.73
	Heating	EER(W/W)	2.81	2.71	2.51	2.71	2.78	2.78	2.71	2.56
Moisture Removal		ℓ/hr.	2.4	2.4	1.5	1.5	1.8	1.8	2.4	2.4
	Air Circulation (Max)	m <sup>3</sup> /min	17.0	17.0	9.5	9.5	13.0	13.0	17.0	17.0
Noise Level	Indoor High/Low	dB	44/35	41/33	38/30	36/26	38/33	40/34	41/35	40/33
	Outdoor High	dB	54	52	48	50	52	51	54	51
<b>Electrical Data</b>										
Power Source		V/Hz/Ø	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
Power Consumption	Cooling	W	2500	2600	1400	1300	1900	1900	2600	2750
	Heating	W	2650	-	1230	-	1900	-	2600	-
Operating Current	Cooling	A	12	12.5	6.4	6.2	8.8	8.8	12	13.5
	Heating	A	12.5	-	5.6	-	8.2	-	12.0	-
<b>Dimension &amp; Loading Q'ty</b>										
Net Dimension (W*H*D)	Indoor	mm	1065*298*222	1065*298*222	820*285*190	820*285*190	1065*298*222	1065*298*222	1065*298*222	1065*298*222
	Outdoor	mm	790*548*285	790*548*285	660*475*242	660*475*242	790*548*285	720*548*265	880*638*310	790*548*285
Net Weight	Indoor	kg	11.89	11.89	8.4	8.4	11.38	11.5	13	12
	Outdoor	kg	46.68	42	26	26	37.9	32.5	56	39
Shipping Weight	Indoor	kg	14.58	14.58	10.4	10.4	13.92	14	16	14.5
	Outdoor	kg	51.22	46.5	27.05	30	41	34.2	58	43
Loading Q'ty	W Pipe	20/40/40HC	75/162/187	75/162/187	120/248/280	120/248/280	75/162/187	78/166/203	60/128/141	75/162/187
	W/O Pipe	20/40/40HC	72/150/178	72/150/178	104/224/248	104/224/248	72/150/178	75/162/184	57/126/132	72/150/178
<b>Technical Information</b>										
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 15.88mm	Ø 15.88mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 15.88mm
Piping Length	Max	m	20	20	15	15	15	15	20	20
Piping Height	Max	m	8	8	7	7	7	7	8	8
<b>Features</b>										
Air Purification	S-Plasma ion		-	-	-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-	-	-
	Full HD Filter		60	60	60	60	60	60	60	60
	DNA Filter		-	-	-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4	4	4
	Air Direction (Up/Down)		AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO
	Air Direction (Left/Right)		MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•	•	•
	Turbo		•	•	•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-	-	-
	Convenience	Filter Cleaning Indicator		-	-	-	-	-	-	-
Convenience	Temp. Display		-	-	-	-	-	-	-	-
	Remote Controller		•	•	•	•	•	•	•	•
	Display On/Off		-	-	-	-	-	-	-	-
	Beep On/Off		-	-	-	-	-	-	-	-
	Real-time Timer		-	-	-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•	•	•
	Auto Changeover		•	•	•	•	•	•	•	•
	Outdoor Unit	Compressor Type		UTR	UTR</					



# Middle East

			MAX4					
Model Code			AS32U*CHAC	AS32U*CSGE	AQ30U*AUMG	AS30U*BUMG	AQ36U*BUMG	AS36U*BUMG
AC Type			CO	CO	HP	CO	HP	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22
Performance								
Capacity	Cooling	Btu/hr.	30,000	30,000	29,000	29,000	33,000	33,000
		(min-max)	-	-	-	-	-	-
		Cal/hr.	7,560	7,560	7,308	7,308	8,316	8,316
		(min-max)	-	-	-	-	-	-
		kW	8.8	8.8	8.5	8.5	9.7	9.7
	Heating	Btu/hr.	-	-	30,000	-	36,000	-
		(min-max)	-	-	-	-	-	-
		Cal/hr.	-	-	7,560	-	9,072	-
		(min-max)	-	-	-	-	-	-
		kW	-	-	8.8	-	10.6	-
Energy Efficiency	Cooling	EER(Btu/W)	10.2	10.2	9.7	9.0	8.7	8.7
	Heating	EER(W/W)	3.00	3.00	2.83	2.63	2.54	2.54
Moisture Removal		ℓ/hr.	3.0	3.0	3.0	3.0	3.6	3.6
	Air Circulation (Max)	m <sup>3</sup> /min	20.0	20.0	20.0	20.0	23.0	23.0
Noise Level	Indoor High/Low	dB	50/42	50/42	46/40	45/38	47/39	47/39
	Outdoor High	dB	56	56	57	56	57	57
Electrical Data								
Power Source		V/Hz/Ø	200-240/50/1	200-240/50/1	200-240/50/1	220/60/1	220/60/1	220/60/1
	Power Consumption	W	2930	2930	3000	3230	3800	3800
Operating Current	Cooling	A	13.0	13	15.0	16.0	18.0	18.0
	Heating	A	-	-	15.5	-	16.0	-
Dimension & Loading Q'ty								
Net Dimension (W*H*D)	Indoor	mm	1279*345*229	1279*345*229	1279*345*229	1279*345*229	1279*345*229	1279*345*229
	Outdoor	mm	880*798*310	880*798*310	880*798*310	880*789*310	880*950*320	880*950*320
Net Weight	Indoor	kg	18.5	18.5	20	18.5	18.5	18.5
	Outdoor	kg	64	64	68	65	83	83
Shipping Weight	Indoor	kg	22	22	24	22	22	22
	Outdoor	kg	72	72	74	73	91	91
Loading Q'ty	W Pipe	20/40/40HC	46/96/114	46/96/114	46/96/114	46/96/114	38/84/96	38/84/96
	W/O Pipe	20/40/40HC	47/98/114	47/98/114	47/98/114	47/98/114	38/86/98	38/86/98
Technical Information								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 9.52mm	Ø 9.52mm
	Gas	OD	Ø 15.88mm	Ø 15.88mm	Ø 15.88mm	Ø 15.88mm	Ø 19.05mm	Ø 19.05mm
Piping Length	Max	m	20	20	20	20	30	30
Piping Height	Max	m	8	8	8	8	15	15
Features								
Air Purification	S-Plasma ion		-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		60	60	60	60	60	60
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual
Operating Mode	Natural Breeze		•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
	Convenience	Filter Cleaning Indicator		-	-	-	-	-
Temp. Display			-	-	-	-	-	-
Remote Controller			•	•	•	•	•	•
Display On/Off			-	-	-	-	-	-
Beep On/Off			-	-	-	-	-	-
Real-time Timer			-	-	-	-	-	-
24-Hour Timer			•	•	•	•	•	•
Auto Restart			•	•	•	•	•	•
Auto Changeover			-	-	-	-	-	-
Outdoor Unit		Compressor Type		UTR	UTR	UTR	UTR	UTR
	Anti-corrosion Fin		•	•	•	•	•	•
	Multi-channel Condenser		-	-	-	-	-	-
Low Ambient	Cooling	°C	15-52	15-52	15-52	15-52	15-52	15-52
	Heating	°C	-	-	-5-24	-	-5-24	-

			MAX4				Vivace			
Model Code			AS30U*BXSG	AS36U*BXSG	AQ12V*FSAM	AQ18V*FSAM	AQ24V*FSAM	AQ13V*GHAC	AQ19V*GHAC	AS19V*GHAC
AC Type			CO	CO	HP	HP	HP	HP	HP	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22	R22	R22
Performance										
Capacity	Cooling	Btu/hr.	30,000	33,000	12,000	18,000	24,000	12,000	18,000	18,000
		(min-max)	-	-	-	-	-	-	-	-
		Cal/hr.	7,560	8,316	3,024	4,775	5,847	3,024	4,775	4,385
		(min-max)	-	-	-	-	-	-	-	-
		kW	8.8	9.7	3.5	5.1	6.8	3.5	5.1	5.1
	Heating	Btu/hr.	-	-	13,000	19,000	24,000	13,000	19,000	-
		(min-max)	-	-	-	-	-	-	-	-
		Cal/hr.	-	-	3,267	4,815	6,019	3,267	4,815	-
		(min-max)	-	-	-	-	-	-	-	-
		kW	-	-	3.8	5.6	7	3.8	5.6	-
Energy Efficiency	Cooling	EER(Btu/W)	9.4	8.7	10.3	10.3	10.3	10.3	10.3	
	Heating	EER(W/W)	2.75	2.54	3.01	3.01	3.01	3.01	3.01	
Moisture Removal		ℓ/hr.	3.0	3.6	1.5	1.9	2.6	1.5	1.9	
	Air Circulation (Max)	m <sup>3</sup> /min	20.0	23.0	9.3	15.0	17.0	9.3	15.0	
Noise Level	Indoor High/Low	dB	50/42	47/39	36/26	40/32	42/35	36/28	41/37	
	Outdoor High	dB	56	59	50	52	55	48	51	
Power Source		V/Hz/Ø	200-240/50/1	200-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	
	Power Consumption	W	3200	3800	1170	1750	2336	1170	1750	
Operating Current	Cooling	A	17	19.0	5.2	9.0	12.5	5.2	9.0	
	Heating	A	-	-	5.1	9.0	12.5	5.1	9.0	
Net Dimension (W*H*D)	Indoor	mm	1279*345*229	1279*345*229	825*285*189	1065*298*214	1065*298*214	825*285*189	1065*298*214	
	Outdoor	mm	880*798*310	880*950*320	720*265*548	878x310x638	880x310x798	720*265*548	878x310x638	
Net Weight	Indoor	kg	20	18.5	9.5	14	14.5	9.5	14	
	Outdoor	kg	70	83	31.4	46.3	61	31.4	46.3	
Shipping Weight	Indoor	kg	24	22	11.5	17.5	17.8	11.5	17.5	
	Outdoor	kg	76	91	35	52	66.5	35	52	
Loading Q'ty	W Pipe	20/40/40HC	46/96/114	38/84/96	96/205/235	61/128/144	52/108/124	96/205/235	61/128/144	
	W/O Pipe	20/40/40HC	47/98/114	38/86/98	97/214/258	63/131/150	52/108/124	97/214/258	63/131/150	
SVC Valve	Liquid	OD	Ø 9.52mm	Ø 9.52mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	Ø 15.88mm	Ø 19.05mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 12.7mm	Ø 12.7mm	
Piping Length	Max	m	20	30	15	15	20	15	15	
Piping Height	Max	m	8	15	7	8	8	7	8	
Air Purification	S-Plasma ion		-	-	•	•	•	•	•	
	Auto Roof Shutter		-	-	-	-	-	-	-	
	Full HD Filter		60	60	60	60	60	60	60	
	DNA Filter		-	-	-	-	-	-	-	
	Deodorizing Filter		-	-	•	•	•	•	•	
	Catechin Filter		-	-	•	•	•	•	•	
	Allergy Care		-	-	-	-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	•	•	•	
	Auto Clean		•	•	•	•	•	•	•	
	Wide Twin Blade		-	-	-	-	-	-	-	
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•	
	Fan speed(Steps)		4	4	4	4	4	4	4	
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual	Manual	
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	
	d'light Cool		-	-	-	-	-	-	-	
	good'sleep		•	•	•	•	•	•	•	
	Smart Saver		•	•	•	•	•	•	•	
	Turbo		•	•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	•	
	Quiet Mode		-	-	-	-	-	-	-	
	Convenience	Filter Cleaning Indicator		-	-	-	-	-	-	-
Temp. Display			-	-	-	-	-	-	-	
Remote Controller			•	•	•	•	•	•	•	
Display On/Off			-	-	-	-	-	-	-	
Beep On/Off			-	-	-	-	-	-	-	
Real-time Timer			-	-	-	-	-	-	-	
24-Hour Timer			•	•	•	•	•	•	•	
Auto Restart			•	•	•	•	•	•	•	
Auto Changeover			-	-	-	-	-	-	-	
Outdoor Unit		Compressor Type		UTR	UTR	UTR	UTR	UTR	UTR	UTR
	Anti-corrosion Fin		•	•	•	•	•	•	•	
	Multi-channel Condenser		-	-	-	-	-	-	-	
Low Ambient	Cooling	°C	21-43	15-52	15-43	15-43	15-43	15-52	15-52	
	Heating	°C	-5-24	-	-5-24	-5-24	-5-24	-5-24	-	

# Middle East

			Vivace					
Model Code			AQ25V*GHAC	AS25V*GHAC	AQ09V*FMID	AQ12V*FMID	AQ18V*FMID	AQ24V*FMID
AC Type			HP	CO	HP	HP	HP	HP
Refrigerant Type			R22	R22	R22	R22	R22	R22
<b>Performance</b>								
Capacity	Cooling	Btu/hr.	24,000	24,000	9,000	12,000	18,000	24,000
		(min-max)	-	-	-	-	-	-
		Cal/hr.	5,847	5,847	2,322	3,024	4,385	5,847
		(min-max)	-	-	-	-	-	-
		kW	6.8	6.8	2.7	3.5	5.1	6.8
		(min-max)	-	-	-	-	-	-
	Heating	Btu/hr.	24,000	-	10,000	13,000	20,000	24,000
		(min-max)	-	-	-	-	-	-
		Cal/hr.	6,019	-	2,494	3,267	4,815	6,019
		(min-max)	-	-	-	-	-	-
		kW	7	-	2.9	3.8	5.6	7
		(min-max)	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	10.3	10.3	9.2	9.5	9.5	9.2
		EER(W/W)	3.01	3.01	2.8	2.78	2.68	2.71
	Heating	COP(W/W)	9.23	-	3.22	3.23	2.95	9.23
Moisture Removal		ℓ/hr.	2.6	2.6	1.00	1.5	1.9	2.6
Air Circulation (Max)		m <sup>3</sup> /min	17.0	17.0	8.0	9.3	15.0	17.0
Noise Level	Indoor High/Low	dB	41/36	41/36	32/24	36/26	40/32	42/35
	Outdoor High	dB	53	53	48	50	52	55
<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
Power Consumption	Cooling	W	2336	2336	980	1260	1900	2600
	Heating	W	2600	-	900	1160	1900	2600
Operating Current	Cooling	A	12.5	12.5	4.6	5.8	9.0	12.5
	Heating	A	12.5	-	4.1	5.3	9.0	12.5
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W*H*D)	Indoor	mm	1065*298*214	1065*298*214	825*285*189	825*285*189	1065*298*214	1065*298*214
	Outdoor	mm	880x310x798	878x310x638	660*470*240	660*470*240	790*548*285	878x310x638
Net Weight	Indoor	kg	14.5	14	9	9.6	13	14
	Outdoor	kg	61	56	24.5	24.1	40.4	53
Shipping Weight	Indoor	kg	17.8	17.5	11.3	12	16.7	17
	Outdoor	kg	66.5	58	27	26.2	45.8	61
Loading Q'ty	W Pipe	20/40/40HC	52/108/124	63/131/149	117/259/287	117/259/287	78/162/181	61/128/144
	W/O Pipe	20/40/40HC	52/108/124	66/138/153	126/271/320	126/271/320	78/164/186	63/131/150
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 15.88mm	Ø 15.88mm	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm
Piping Length	Max	m	20	20	15	15	15	20
Piping Height	Max	m	8	8	7	7	8	8
<b>Features</b>								
Air Purification	S-Plasma ion		•	•	•	•	•	•
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		60	60	60	60	60	60
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		•	•	•	•	•	•
	Catechin Filter		•	•	•	•	•	•
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual
	Natural Breeze		•	•	•	•	•	•
Operating Mode	d'light Cool		-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
	Filter Cleaning Indicator		-	-	-	-	-	-
	Temp. Display		•	•	•	•	•	•
Convenience	Remote Controller		•	•	•	•	•	•
	Display On/Off		•	•	•	•	•	•
	Beep On/Off		-	-	-	-	-	-
	Real-time Timer		-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•
	Auto Changeover		•	•	•	•	•	•
	Compressor Type		UTR	UTR	Rotary	UTR	UTR	UTR
	Anti-corrosion Fin		•	•	•	•	•	•
	Multi-channel Condensor		-	-	-	-	-	-
Low Ambient	Cooling	°C	15-52	15-52	15-43	15-52	15-52	15-52
	Heating	°C	-5-24	-	-5-24	-5-24	-5-24	-5-24

			Vivace				WAC				
Model Code			AQ18V*FUMG	AS18V*FUMG	AQ24V*FUMG	AS24V*FUMG	AS18V*FXSG	AS24V*FXSG	AWT12P1BUMG	AHT18U1EUMG	
AC Type			HP	CO	HP	CO	CO	CO	CO	HT	
Refrigerant Type			R22	R22	R22	R22	R22	R22	R22	R22	
<b>Performance</b>											
Capacity	Cooling	Btu/hr.	18,000	18,000	24,000	24,000	18,000	24,000	12,000	18,000	
		(min-max)	-	-	-	-	-	-	-	-	
		Cal/hr.	4,385	4,385	5,847	5,847	4,385	5,847	3,024	4,536	
		(min-max)	-	-	-	-	-	-	-	-	
		kW	5.1	5.1	6.8	6.8	5.1	6.8	3.517	5.275	
		(min-max)	-	-	-	-	-	-	-	-	
	Heating	Btu/hr.	20,000	-	24,000	-	-	-	-	-	11,089
		(min-max)	-	-	-	-	-	-	-	-	-
		Cal/hr.	5,035	-	6,019	-	-	-	-	-	2,794
		(min-max)	-	-	-	-	-	-	-	-	-
		kW	5.6	-	7	-	-	-	-	-	3.25
		(min-max)	-	-	-	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	9.5	9.5	9.2	8.7	10.3	10.3	8.3	8.8	
		EER(W/W)	2.78	2.78	2.70	2.56	3.01	3.01	-	-	
	Heating	COP(W/W)	3.08	-	2.70	-	-	-	-	-	
Moisture Removal		ℓ/hr.	1.9	1.9	2.6	2.6	1.9	2.6	1.2	2.2	
Air Circulation (Max)		m <sup>3</sup> /min	15.0	15.0	17.0	17.0	15.0	17.0	8.5	11.8	
Noise Level	Indoor High/Low	dB	40/32	40/32	42/35	42/35	40/32	42/35	56	57	
	Outdoor High	dB	52	52	55	55	52	55	64	61	
<b>Electrical Data</b>											
Power Source		V/Hz/Ø	220/60/1	220/60/1	220/60/1	220/60/1	220-240/50/1	220-240/50/1	220/60/1	220/60/1	
Power Consumption	Cooling	W	1900	1900	2600	2750	1750	2336	1450	2050	
	Heating	W	1900	-	2600	-	-	-	-	3460	
Operating Current	Cooling	A	9.0	9.0	12.0	13.5	9.0	12.5	7.6	9.3	
	Heating	A	9.0	-	12.0	-	-	-	-	14.0	
<b>Dimension &amp; Loading Q'ty</b>											
Net Dimension (W*H*D)	Indoor	mm	1065*298*214	1065*298*214	1065*298*214	1065*298*214	1065*298*214	1065*298*214	560*370*550	660*425*730	
	Outdoor	mm	790*548*285	790*548*285	878x310x638	790*548*285	720x265x548	878x310x638	-	-	
Net Weight	Indoor	kg	13	13	14	13	14.3	14	32	51.6	
	Outdoor	kg	39	36	50	43	35	56	-	-	
Shipping Weight	Indoor	kg	16	16	17	16	17.5	17.5	35.5	56.8	
	Outdoor	kg	43	41	55	47	39	58	-	-	
Loading Q'ty	W Pipe	20/40/40HC	78/162/181	78/162/181	61/128/144	78/162/181	96/205/235	63/131/149	135/282/339	92/168/210	
	W/O Pipe	20/40/40HC	78/164/186	78/164/186	63/131/150	78/164/186	97/214/258	66/138/153	-	-	
<b>Technical Information</b>											
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	-	-	
	Gas	OD	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 15.88mm	Ø 12.7mm	Ø 15.88mm	-	-	
Piping Length	Max	m	15	15	20	20	15	20	-	-	
Piping Height	Max	m	8	8	8	8	8	8	-	-	
<b>Features</b>											
Air Purification	S-Plasma ion		•	•	•	•	•	•	-	-	
	Auto Roof Shutter		-	-	-	-	-	-	-	-	
	Full HD Filter		60	60	60	60	60	60	60	60	
	DNA Filter		-	-	-	-	-	-	-	-	
	Deodorizing Filter		•	•	•	•	•	•	-	-	
	Catechin Filter		•	•	•	•	•	•	-	-	
	Allergy Care		-	-	-	-	-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	•	•	•	•	
	Auto Clean		•	•	•	•	•	•	-	-	
	Wide Twin Blade		-	-	-	-	-	-	-	-	
Air Flow	Optimal Single Blade		•	•	•	•	•	•	-	-	
	Fan speed(Steps)		4	4	4	4	4	4	3	3	
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	Manual	Manual	
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual	Auto	Auto	
	Natural Breeze		•	•	•	•	•	•	-	-	
Operating Mode	d'light Cool		-	-	-	-	-	-	-	-	
	good'sleep		•	•	•	•	•	•	-	-	
	Smart Saver		•	•	•	•	•	•	-	-	
	Turbo		•	•	•	•	•	•	-	-	
	Dehumidification		•	•	•	•	•	•	-	-	
	Auto Mode		•	•	•	•	•	•	-	-	
	Fan Mode		•	•	•	•	•	•	-	-	
	Quiet Mode		-	-	-	-	-	-	-	-	
	Filter Cleaning Indicator		-	-	-	-	-	-	-	-	
	Temp. Display		•	•	•	•	•	•	-	-	
Convenience	Remote Controller		•	•	•	•	•	•	-	-	
	Display On/Off		•	•	•	•	•	•	-	-	
	Beep On/Off		-	-	-	-	-	-	-	-	
	Real-time Timer		-	-	-	-	-	-	-	-	
	24-Hour Timer		•	•	•	•	•	•	-	-	
	Auto Restart		•	•	•	•	•	•	-		



# Middle East

			WAC					
Model Code			AHT18W1CXSG	AHT24W1BXSG	AWT18W1CXSG	AWT18WHBXSG	AWT24W1BXSG	AWT24WHBXSG
AC Type			HT	HT	CO	CO	CO	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22
Performance								
Capacity	Cooling	Btu/hr. (min-max)	18,000	24,000	18,000	18,000	24,000	24,000
		Cal/hr. (min-max)	4,536	6,048	4,536	4,536	6,048	6,048
		kW (min-max)	5.275	7.034	5.275	5.275	7.034	7.034
		Btu/hr. (min-max)	11,089	11,089	-	-	-	-
		Cal/hr. (min-max)	2,794	2,794	-	-	-	-
	Heating	kW (min-max)	3.25	3.25	-	-	-	-
		EER(Btu/W)	8.8	8.8	8.8	8.8	8.8	8.8
		EER(W/W)	-	-	-	-	-	-
		COP(W/W)	-	-	-	-	-	-
		Moisture Removal	ℓ/hr.	2.0	2.5	2.0	1.9	2.5
Air Circulation (Max)	m <sup>3</sup> /min	11.5	12.7	11.5	11.6	12.7	12.7	
Noise Level	Indoor High/Low	dB	60	62	60	60	62	62
	Outdoor High	dB	65	68	65	65	68	68
Electrical Data								
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
Power Consumption	Cooling	W	2050	2700	2050	2050	2700	2700
	Heating	W	3600	3600	-	-	-	-
Operating Current	Cooling	A	9.5	12.3	9.5	9.5	12.3	12.3
	Heating	A	15.5	15.5	-	-	-	-
Dimension & Loading Q'ty								
Net Dimension (W'H'D)	Indoor	mm	660*425*730	660*425*730	660*425*730	660*425*730	660*425*730	660*425*730
	Outdoor	mm	-	-	-	-	-	-
Net Weight	Indoor	kg	51	58.3	51	50.9	57	58.1
	Outdoor	kg	-	-	-	-	-	-
Shipping Weight	Indoor	kg	57	63.8	57	56.4	62	63.6
	Outdoor	kg	-	-	-	-	-	-
Loading Q'ty	W Pipe	20/40/40HC	92/168/210	92/168/210	92/168/210	92/168/210	92/168/210	92/168/210
	W/O Pipe	20/40/40HC	-	-	-	-	-	-
Technical Information								
SVC Valve	Liquid	OD	-	-	-	-	-	-
	Gas	OD	-	-	-	-	-	-
Piping Length	Max	m	-	-	-	-	-	-
Piping Height	Max	m	-	-	-	-	-	-
Features								
Air Purification	S-Plasma ion		-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		60	60	60	60	60	60
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		-	-	-	-	-	-
	Wide Twin Blade		-	-	-	-	-	-
Air Flow	Optimal Single Blade		-	-	-	-	-	-
	Fan speed(Steps)		3	3	3	3	3	3
	Air Direction (Up/Down)		Manual	Manual	Manual	Manual	Manual	Manual
	Air Direction (Left/Right)		Auto	Auto	Auto	Auto	Auto	Auto
Operating Mode	Natural Breeze		-	-	-	-	-	-
	d'light Cool		-	-	-	-	-	-
	good'sleep		-	-	-	-	-	-
	Smart Saver		-	-	-	E.Saver	-	E.Saver
	Turbo		-	-	-	-	-	-
	Dehumidification		-	-	-	•	-	•
	Auto Mode		-	-	-	-	-	-
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
	Convenience	Filter Cleaning Indicator		-	-	-	-	-
Temp. Display			-	-	-	•	-	•
Remote Controller			-	-	-	•	-	•
Display On/Off			-	-	-	-	-	-
Beep On/Off			-	-	-	-	-	-
Real-time Timer			-	-	-	-	-	-
24-Hour Timer			-	-	-	•	-	•
Auto Restart			-	-	-	-	-	-
Auto Changeover			-	-	-	-	-	-
Outdoor Unit		Compressor Type		UTR	UTR	UTR	UTR	UTR
	Anti-corrosion Fin		•	•	•	•	•	•
	Multi-channel Condensor		-	-	-	-	-	-
Low Ambient	Cooling	°C	21-52	21-52	21-52	21-52	21-52	21-52
	Heating	°C	-	-	-	-	-	-

			WAC						Waltz		
Model Code			AWT19F1CHAC	AWT19FHCHAC	AHT19FGCHAC	AWT19F1CSGE	AWT19FHCSGE	AHT19FGCSGE	AP30Z0ANHAC	AP30Z1ANHAC	
AC Type			CO	CO	HT	CO	CO	HT	CO	HP	
Refrigerant Type			R22	R22	R22	R22	R22	R22	R22	R22	
Performance											
Capacity	Cooling	Btu/hr. (min-max)	18,000	18,000	18,000	18,000	18,000	18,000	28,000	28,000	
		Cal/hr. (min-max)	4,536	4,536	4,536	4,536	4,536	4,536	-	-	
		kW (min-max)	5.275	5.275	5.275	5.275	5.275	5.275	8.2	8.2	
		Btu/hr. (min-max)	-	-	11,089	-	-	-	11,089	-	29,000
		Cal/hr. (min-max)	-	-	2,794	-	-	-	2,794	-	-
	Heating	kW (min-max)	-	-	3.25	-	-	3.25	-	-	8.5
		EER(Btu/W)	9.55	9.55	9.55	9.55	9.55	9.55	9.66	9.66	
		EER(W/W)	-	-	-	-	-	-	2.83	2.83	
		COP(W/W)	-	-	-	-	-	-	-	2.93	
		Moisture Removal	ℓ/hr.	2.2	2.2	2.2	2.2	2.2	2.2	3.1	3.1
Air Circulation (Max)	m <sup>3</sup> /min	11.5	11.5	11.5	11.5	11.5	11.5	18.0	18.0		
Noise Level	Indoor High/Low	dB	60	60	60	60	60	60	50	50	
	Outdoor High	dB	67	67	67	67	67	67	63	63	
Electrical Data											
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	1880	1880	1880	1880	1880	1880	2900	2900	
	Heating	W	-	-	3600	-	-	3600	-	2900	
Operating Current	Cooling	A	8.3	8.3	8.3	8.3	8.3	8.3	12.5	12.5	
	Heating	A	-	-	15.5	-	-	15.5	-	12.5	
Dimension & Loading Q'ty											
Net Dimension (W'H'D)	Indoor	mm	660*425*730	660*425*730	660*425*730	660*425*730	660*425*730	660*425*730	532*1830*319	532*1830*319	
	Outdoor	mm	-	-	-	-	-	-	880*798*310	880*798*310	
Net Weight	Indoor	kg	58.4	58.4	58.4	58.4	58.4	58.4	40.5	40.5	
	Outdoor	kg	-	-	-	-	-	-	57	59	
Shipping Weight	Indoor	kg	63.2	63.2	63.2	63.2	63.2	63.2	46	46	
	Outdoor	kg	-	-	-	-	-	-	60	62	
Loading Q'ty	W Pipe	20/40/40HC	84/168/210	84/168/210	84/168/210	84/168/210	84/168/210	84/168/210	27/56	27/56	
	W/O Pipe	20/40/40HC	-	-	-	-	-	-	27/56	27/56	
Technical Information											
SVC Valve	Liquid	OD	-	-	-	-	-	-	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	-	-	-	-	-	-	Ø 15.88mm	Ø 15.88mm	
Piping Length	Max	m	-	-	-	-	-	-	15	15	
Piping Height	Max	m	-	-	-	-	-	-	15	15	
Features											
Air Purification	S-Plasma ion		-	-	-	-	-	-	-	-	
	Auto Roof Shutter		-	-	-	-	-	-	-	-	
	Full HD Filter		60	60	60	60	60	60	•	•	
	DNA Filter		-	-	-	-	-	-	-	-	
	Deodorizing Filter		-	-	-	-	-	-	-	-	
	Catechin Filter		-	-	-	-	-	-	-	-	
	Allergy Care		-	-	-	-	-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	•	•	•	•	
	Auto Clean		-	-	-	-	-	-	-	-	
	Wide Twin Blade		-	-	-	-	-	-	-	-	
Air Flow	Optimal Single Blade		-	-	-	-	-	-	-	-	
	Fan speed(Steps)		3	3	3	3	3	3	3	3	
	Air Direction (Up/Down)		Manual	Manual	Manual	Manual	Manual	Manual	-	-	
	Air Direction (Left/Right)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	
Operating Mode	Natural Breeze		-	-	-	-	-	-	-	-	
	d'light Cool		-	-	-	-	-	-	-	-	
	good'sleep		-	-	-	-	-	-	-	-	
	Smart Saver		-	-	-	-	-	-	-	•	
	Turbo		-	-	-	-	-	-	-	•	
	Dehumidification		-	-	-	-	-	-	-	•	
	Auto Mode		-	-	-	-	-	-	-	•	
	Fan Mode		•	•	•	•	•	•	•	•	
	Quiet Mode		-	-	-	-	-	-	-	-	
	Convenience	Filter Cleaning Indicator		-	-	-	-	-	-	-	-
Temp. Display			-	-	-	-	-	-	-	•	
Remote Controller			-	-	-	-	-	-	-	•	
Display On/Off			-	-	-	-	-	-	-	-	
Beep On/Off			-	-	-	-	-	-	-	-	
Real-time Timer			-	-	-	-	-	-	-	-	
24-Hour Timer			-	-	-	-	-	-	-	•	
Auto Restart			-	-	-	-	-	-	-	•	
Auto Changeover			-	-	-	-	-	-	-	-	
Outdoor Unit		Compressor Type		UTR	UTR	UTR	UTR	UTR	UTR	UTR	UTR
	Anti-corrosion Fin		•	•	•	•	•	•	•	•	
	Multi-channel Condensor		-	-	-	-	-	-	-	-	
Low Ambient	Cooling	°C	21-52	21-52	21-52	21-52	21-52	21-52	-	-	
	Heating	°C	-	-	-	-	-	-	-	-	



# Middle East

			Mirage					
Model Code			AP30M0AUMG	AP30M0AXSG	AP30M1AXSG	AP55M0AUMG	AP55M0BUMG	AP55M1AUMG
AC Type			CO	CO	HP	CO	CO	HP
Refrigerant Type			R22	R22	R22	R22	R22	R22
<b>Performance</b>								
Capacity	Cooling	Btu/hr. (min-max)	28,000	28,000	28,000	50,000	50,000	48,000
		Cal/hr. (min-max)	-	-	-	-	-	-
		kW (min-max)	8.2	8.2	8.2	14.7	14.7	14.0
		Btu/hr. (min-max)	-	-	29,000	-	-	53,000
		Cal/hr. (min-max)	-	-	-	-	-	-
		kW (min-max)	-	-	8.5	-	-	15.5
	Heating	Btu/hr. (min-max)	-	-	-	-	-	-
		Cal/hr. (min-max)	-	-	-	-	-	-
		kW (min-max)	-	-	-	-	-	-
		EER(Btu/W)	9.03	9.94	9.62	9.40	9.40	9.40
		EER(W/W)	2.65	2.82	2.73	2.76	2.76	2.75
		COP(W/W)	-	-	2.83	-	-	3.00
Moisture Removal	ℓ/hr.	3.5	3.1	2.8	6.2	6.2	5.6	
Air Circulation (Max)	m <sup>3</sup> /min	18.8	18.8	18.8	33.0	33.0	33.0	
Noise Level	Indoor High/Low	dB	44	44	44	51	51	51
	Outdoor High	dB	52	52	52	55	55	58
<b>Electrical Data</b>								
Power Source	V/Hz/Ø		220/60/1	220/50/1	220/50/1	220/60/3	220/60/3	220/60/3
Power Consumption	Cooling	W	3100	2900	3000	5300	5300	5100
	Heating	W	-	-	3000	-	-	5100
Operating Current	Cooling	A	15.5	12.7	13.3	17.1	17.1	16.4
	Heating	A	-	-	13.3	-	-	16.6
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W*H*D)	Indoor	mm	525*1850*320	525*1850*320	525*1850*320	610*1850*400	610*1850*400	610*1850*400
	Outdoor	mm	880*798*310	880*798*310	880*798*310	932*1128*375	932*1128*375	932*1128*375
Net Weight	Indoor	kg	30	30	30	46	46	46
	Outdoor	kg	56	56	59	91	91	100
Shipping Weight	Indoor	kg	35	35	35	51	51	51
	Outdoor	kg	61	61	64	99	99	108
Loading Q'ty	W Pipe	20/40/40HC	28/57	28/57	28/57	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96
	W/O Pipe	20/40/40HC	28/57	28/57	28/57	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 9.35mm	Ø 9.35mm	Ø 9.35mm
	Gas	OD	Ø 15.88mm	Ø 15.88mm	Ø 15.88mm	Ø 19.05mm	Ø 19.05mm	Ø 19.05mm
Piping Length	Max	m	15	15	15	25	25	25
Piping Height	Max	m	10	10	10	15	15	15
<b>Features</b>								
Air Purification	S-Plasma ion		-	-	-	-	-	-
	Auto Roof Shutter		•	•	•	•	•	•
	Full HD Filter		•	•	•	•	•	•
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		-	-	-	-	-	-
	Wide Twin Blade		-	-	-	-	-	-
Air Flow	Optimal Single Blade		-	-	-	-	-	-
	Fan speed(Steps)		3	3	3	3	3	3
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Auto	Auto	Auto	Auto	Auto	Auto
	Natural Breeze		-	-	-	-	-	-
Operating Mode	d'light Cool		-	-	-	-	-	-
	good'sleep		-	-	-	-	-	-
	Smart Saver		-	-	-	-	-	-
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
	Filter Cleaning Indicator		-	-	-	-	-	-
	Temp. Display		•	•	•	•	•	•
Convenience	Remote Controller		•	•	•	•	•	•
	Display On/Off		-	-	-	-	-	-
	Beep On/Off		-	-	-	-	-	-
	Real-time Timer		-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•
	Auto Changeover		-	-	-	-	-	-
	Compressor Type		UTR	UTR	UTR	UTR	UTR	UTR
	Anti-corrosion Fin		•	•	•	•	•	•
	Multi-channel Condensor		-	-	-	-	-	-
Low Ambient	Cooling	°C	21 ~ 52	21 ~ 52	21 ~ 52	21 ~ 52	21 ~ 52	21 ~ 52
	Heating	°C	-	-	0 ~ 24	-	-	0 ~ 24

			Mirage								
Model Code			AP55M1BUMG	AP55M2AUMG	AP55M2UMG	AP50M0AMID	AP50M1AMID	AP50M0AXSG	AP50M1AXSG	AP50M0AHAC	
AC Type			HP	CO	CO	CO	HP	CO	HP	CO	
Refrigerant Type			R22	R22	R22	R22	R22	R22	R22	R22	
<b>Performance</b>											
Capacity	Cooling	Btu/hr. (min-max)	48,000	50,000	50,000	48,000	48,000	48,000	48,000	48,000	
		Cal/hr. (min-max)	-	-	-	-	-	-	-	-	-
		kW (min-max)	14.0	14.65	14.65	14.0	14.0	14.0	14.0	14.0	14.0
		Btu/hr. (min-max)	-	-	-	-	-	-	-	-	-
		Cal/hr. (min-max)	-	-	-	-	-	-	-	-	-
		kW (min-max)	15.5	-	-	-	15.3	-	15.3	-	-
	Heating	Btu/hr. (min-max)	-	-	-	-	52,000	-	52,000	-	-
		Cal/hr. (min-max)	-	-	-	-	-	-	-	-	-
		kW (min-max)	-	-	-	-	-	-	-	-	-
		EER(Btu/W)	9.40	9.10	9.10	10.30	10.24	10.30	10.24	10.30	
		EER(W/W)	2.75	2.65	2.65	3.00	3.00	3.00	3.00	3.00	
		COP(W/W)	3.00	-	-	-	3.21	-	3.21	-	
Moisture Removal	ℓ/hr.	5.6	6.2	6.2	5.4	5.1	5.4	5.1	5.4		
Air Circulation (Max)	m <sup>3</sup> /min	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0		
Noise Level	Indoor High/Low	dB	51	51	51	51	51	51	51	51	
	Outdoor High	dB	58	58	58	55	55	55	55	55	
<b>Electrical Data</b>											
Power Source	V/Hz/Ø		220/60/3	380/60/3	380/60/3	380-415/50/3	380-415/50/3	380-415/50/3	380-415/50/3	380-415/50/3	
Power Consumption	Cooling	W	5100	5450	5450	4660	4660	4660	4660	4660	
	Heating	W	-	-	-	-	4760	-	4760	-	
Operating Current	Cooling	A	16.4	9.5	9.5	8.7	8.7	8.7	8.7	8.7	
	Heating	A	-	-	-	-	8.9	-	8.9	-	
<b>Dimension &amp; Loading Q'ty</b>											
Net Dimension (W*H*D)	Indoor	mm	610*1850*400	610*1850*400	610*1850*400	610*1850*400	610*1850*400	610*1850*400	610*1850*400	610*1850*400	
	Outdoor	mm	932*1128*375	932*1128*375	932*1128*375	932*1128*375	932*1128*375	932*1128*375	932*1128*375	932*1128*375	
Net Weight	Indoor	kg	46	46	46	46	46	46	46	46	
	Outdoor	kg	100	91	91	91	100	91	100	91	
Shipping Weight	Indoor	kg	51	51	51	51	51	51	51	51	
	Outdoor	kg	108	99	99	99	108	99	108	99	
Loading Q'ty	W Pipe	20/40/40HC	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	
	W/O Pipe	20/40/40HC	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	IU: 35/74/74 OU: 24/48/96	
<b>Technical Information</b>											
SVC Valve	Liquid	OD	Ø 9.35mm	Ø 9.35mm	Ø 9.35mm	Ø 9.35mm	Ø 9.35mm	Ø 9.35mm	Ø 9.35mm	Ø 9.35mm	
	Gas	OD	Ø 19.05mm	Ø 19.05mm	Ø 19.05mm	Ø 19.05mm	Ø 19.05mm	Ø 19.05mm	Ø 19.05mm	Ø 19.05mm	
Piping Length	Max	m	25	25	25	25	25	25	25	25	
Piping Height	Max	m	15	15	15	15	15	15	15	15	
<b>Features</b>											
Air Purification	S-Plasma ion		-	-	-	-	-	-	-	-	
	Auto Roof Shutter		•	•	•	•	•	•	•	•	
	Full HD Filter		•	•	•	•	•	•	•	•	
	DNA Filter		-	-	-	-	-	-	-	-	
	Deodorizing Filter		-	-	-	-	-	-	-	-	
	Catechin Filter		-	-	-	-	-	-	-	-	
	Allergy Care		-	-	-	-	-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	•	•	•	•	
	Auto Clean		-	-	-	-	-	-	-	-	
	Wide Twin Blade		-	-	-	-	-	-	-	-	
Air Flow	Optimal Single Blade		-	-	-	-	-	-	-	-	
	Fan speed(Steps)		3	3	3	3	3	3	3	3	
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	
	Air Direction (Left/Right)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	
	Natural Breeze		-	-	-	-	-	-	-	-	
Operating Mode	d'light Cool		-	-	-	-	-	-	-	-	
	good'sleep		-	-	-	-	-	-	-	-	
	Smart Saver		-	-	-	-	-	-	-	-	
	Turbo		•	•	•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	•	•	
	Quiet Mode		-	-	-	-	-	-	-	-	
	Filter Cleaning Indicator		-	-	-	-	-	-	-	-	
	Temp. Display		•	•	•	•	•	•	•	•	
Convenience	Remote Controller		•	•	•	•	•	•	•	•	
	Display On/Off		-	-	-	-	-	-	-	-	
	Beep On/Off		-	-	-	-	-	-	-	-	
	Real-time Timer		-	-	-	-	-	-	-	-	
	24-Hour Timer		•	•	•	•	•	•	•	•	
	Auto Restart		•	•	•	•	•	•	•	•	
	Auto Changeover		-	-	-	-	-	-	-	-	
	Compressor Type		UTR	UTR	UTR	UTR	UTR	UTR	UTR	UTR	
	Anti-corrosion Fin		•	•	•	•	•	•	•	•	
	Multi-channel Condensor		-	-	-	-</					

# Middle East

			Mirage		Super	
Model Code			AP50M1AHAC	AP50M1ANSAM	AP80S0AXSG	AP0AS0AXSG
AC Type			HP	HP	CO	CO
Refrigerant Type			R22	R22	R22	R22
<b>Performance</b>						
Capacity	Cooling	Btu/hr.	48,000	48,000	75,000	96,000
		(min-max)	-	-	-	-
		Cal/hr.	-	-	-	-
		(min-max)	-	-	-	-
		kW	14.0	14.0	22.0	28.1
	(min-max)	-	-	-	-	
	Heating	Btu/hr.	52,000	52,000	-	-
		(min-max)	-	-	-	-
		Cal/hr.	-	-	-	-
		(min-max)	-	-	-	-
kW		15.3	15.3	-	-	
(min-max)	-	-	-	-		
Energy Efficiency	Cooling	EER(Btu/W)	10.24	10.24	11.3	9.8
	Heating	EER(W/W)	3.00	3.00	-	-
Moisture Removal		ℓ/hr.	5.1	5.1	5.0	8.0
	Air Circulation (Max)	m <sup>3</sup> /min	33.0	33.0	67.0	76.0
Noise Level	Indoor High/Low	dB	51	51	55	57
	Outdoor High	dB	55	55	62	65
<b>Electrical Data</b>						
Power Source		V/Hz/Ø	380-415/50/3	380-415/50/3	380-415/50/3	380-415/50/3
Power Consumption	Cooling	W	4660	4660	6,600	9,800
	Heating	W	4760	4760	-	-
Operating Current	Cooling	A	8.7	8.7	12.0	16.5
	Heating	A	8.9	8.9	-	-
<b>Dimension &amp; Loading Q'ty</b>						
Net Dimension (W'H'D)	Indoor	mm	610*1850*400	610*1850*400	1,100*1,800*485	1,100*1,800*485
	Outdoor	mm	932*1128*375	932*1128*375	932*1,270*385	880*1,646*765
Net Weight	Indoor	kg	46	46	122	130
	Outdoor	kg	100	100	122	220
Shipping Weight	Indoor	kg	51	51	135	143
	Outdoor	kg	108	108	137	240
Loading Q'ty	W Pipe	20/40/40HC	IJ: 35/74/74 OU: 24/48/96	IJ: 35/74/74 OU: 24/48/96	10 / 21 / 21	8 / 16 / 16
	W/O Pipe	20/40/40HC	IJ: 35/74/74 OU: 24/48/96	IJ: 35/74/74 OU: 24/48/96	10 / 21 / 21	8 / 16 / 16
<b>Technical Information</b>						
SVC Valve	Liquid	OD	Ø 9.35mm	Ø 9.35mm	1/2"	1/2"
	Gas	OD	Ø 19.05mm	Ø 19.05mm	1"	1"
Piping Length	Max	m	25	25	50	50
Piping Height	Max	m	15	15	30	30
<b>Features</b>						
Air Purification	S-Plasma ion		-	-	-	-
	Auto Roof Shutter		•	•	-	-
	Full HD Filter		•	•	-	-
	DNA Filter		-	-	-	-
	Deodorizing Filter		-	-	-	-
	Catechin Filter		-	-	-	-
	Allergy Care		-	-	-	-
	Anti-bacteria Coating		•	•	•	•
	Auto Clean		-	-	-	-
	Wide Twin Blade		-	-	-	-
Air Flow	Optimal Single Blade		-	-	-	-
	Fan speed(Steps)		3	3	2	2
	Air Direction (Up/Down)		Auto	Auto	Manual	Manual
	Air Direction (Left/Right)		Auto	Auto	Manual	Manual
	Natural Breeze		-	-	-	-
	Operating Mode	d'light Cool		-	-	-
Convenience	good'sleep		-	-	-	
	Smart Saver		•	•	•	
	Turbo		•	•	•	
	Dehumidification		•	•	•	
	Auto Mode		•	•	•	
	Fan Mode		•	•	•	
	Quiet Mode		-	-	-	
	Filter Cleaning Indicator		-	-	-	
	Temp. Display		•	•	•	
	Remote Controller		•	•	•	
Outdoor Unit	Display On/Off		-	-	-	
	Beep On/Off		-	-	-	
	Real-time Timer		-	-	-	
	24-Hour Timer		•	•	12-Hour	
	Auto Restart		•	•	•	
	Auto Changeover		•	•	•	
	Compressor Type		UTR	UTR	SCROLL	
	Anti-corrosion Fin		•	•	•	
	Multi-channel Condensor		-	-	-	
	Low Ambient	Cooling	°C	21 ~ 52	21 ~ 52	21 ~ 52
Heating		°C	0 ~ 24	0 ~ 24	-	-

# Africa

			Maldives				Crystal	
Model Code			AQV09P*LNFXA	AQV12P*LNFXA	AQV18P*LNFXA	AQV24P*LNFXA	AS09E*QAFR	AS12E*QAFR
AC Type			INV. HP	INV. HP	INV. HP	INV. HP	CO	CO
Refrigerant Type			R410A	R410A	R410A	R410A	R22	R22
<b>Performance</b>								
Capacity	Cooling	Btu/hr.	8,530	11,260	17,061	23,203	9,000	12,000
		(min-max)	2,559-10,919	2,559-12,966	5,459-20,473	5,118-27,297	-	-
		cal/hr.	2,150	2,837	4,299	5,847	2,268	3,024
		(min-max)	645-2,752	645-3,267	1,376-5,159	1,290-6,879	-	-
		kW	2.5	3.3	5.0	6.8	2.6	3.5
	(min-max)	0.75-3.2	0.75-3.8	1.6-6.0	1.5-8.0	-	-	
	Heating	Btu/hr.	11,260	13,649	20,473	26,615	-	-
		(min-max)	3,242-13,990	3,242-16,378	4,095-25,591	4,436-29,686	-	-
		cal/hr.	2,837	3,439	5,159	6,707	-	-
		(min-max)	817-3,525	817-4,127	1,032-6,449	1,118-7,481	-	-
kW		3.3	4.0	6.0	7.8	-	-	
(min-max)	0.95-4.1	0.95-4.8	1.2-7.5	1.3-8.7	-	-		
Energy Efficiency	Cooling	EER(Btu/W)	11.60	11.0	11.0	11.0	9.18	9.09
	Heating	EER(W/W)	3.40	3.21	3.40	3.21	2.69	2.66
Moisture Removal		ℓ/hr.	1.0	1.4	2.5	3.0	1.0	1.5
	Air Circulation (Max)	m <sup>3</sup> /min	8.0	9.0	13.0	15.0	7.5	9.5
Noise Level	Indoor High/Low	dB	35/21	37/21	40/30	41/30	33/26	36/27
	Outdoor High	dB	45	47	53	55	48	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	220-240/50/1
Power Consumption	Cooling	W	740	1030	1470	2120	980	1320
	Heating	W	910	1110	1660	2160	-	-
Operating Current	Cooling	A	3.8	4.8	6.8	9.5	4.6	6.1
	Heating	A	4.4	5.2	7.7	10.0	-	-
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W'H'D)	Indoor	mm	820*285*205	820*285*205	1065*298*230	1065*298*230	820*285*190	820*285*190
	Outdoor	mm	720*548*265	720*548*265	880*638*310	880*638*310	660*475*242	660*475*242
Net Weight	Indoor	kg	8.4	8.4	11.4	11.5	8.4	8.4
	Outdoor	kg	27	28.1	42.2	45.4	22.96	26
Shipping Weight	Indoor	kg	10.4	10.4	14	14.1	10.4	10.4
	Outdoor	kg	30.9	31.9	49.4	52.4	25.11	30
Loading Q'ty	W Pipe	20/40/40HC	84/177/211	84/177/211	57/126/132	57/126/132	120/248/280	120/248/280
	W/O Pipe	20/40/40HC	93/192/227	93/192/227	60/128/141	60/128/141	104/224/248	104/224/248
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	Ø 15.88mm	Ø 9.52mm	Ø 12.7mm
Piping Length	Max	m	15	15	30	30	15	15
Piping Height	Max	m	7	7	15	15	7	7
<b>Features</b>								
Air Purification	S-Plasma ion		-	-	-	-	•	•
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		80	80	80	80	80	80
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	•	•
	Catechin Filter		-	-	-	-	•	•
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	AUTO	AUTO
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	MANUAL	MANUAL
	Natural Breeze		•	•	•	•	•	•
	Operating Mode	d'light Cool		-	-	-	-	-
Convenience	good'sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		•	•	•	•	-	-
	Filter Cleaning Indicator		-	-	-	-	•	•
	Temp. Display		-	-	-	-	•	•
	Remote Controller		•	•	•	•	•	•
Outdoor Unit	Display On/Off		-	-	-	-	•	•
	Beep On/Off		-	-	-	-	•	•
	Real-time Timer		-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•
	Auto Changeover		•	•	•	•	-	-
	Compressor Type		BLDC	BLDC	Twin BLDC	Twin BLDC	ROTARY	UTR
	Anti-corrosion Fin		•	•	•	•	•	•
	Multi-channel Condensor		-	-	-	-	-	-
	Low Ambient	Cooling	°C	16-46	16-46	-10-46	-10-46	15-43
Heating		°C	-10-24	-10-24	-15-24	-15-24	-	-



# Africa

			Max					
Model Code			AQ09U*QNXFA	AS09U*QNXFA	AQ12U*QNXFA	AS12U*QNXFA	AQ18U*QNXFA	AS18U*QNXFA
AC Type			HP	CO	HP	CO	HP	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22
<b>Performance</b>								
Capacity	Cooling	Btu/hr. (min-max)	9,000	9,000	12,000	12,000	18,000	18,000
		cal/hr. (min-max)	2,268	2,268	3,024	3,024	4,536	4,536
		kW (min-max)	2.6	2.6	3.5	3.5	5.3	5.3
	Heating	Btu/hr. (min-max)	10,000	-	13,000	-	20,000	-
		cal/hr. (min-max)	2,520	-	3,276	-	5,040	-
		kW (min-max)	2.9	-	3.8	-	5.9	-
Energy Efficiency	Cooling	EER(Btu/W)	9.00	9.18	9.23	9.09	9.47	9.00
	Heating	COP(W/W)	3.26	-	3.28	-	3.09	-
Moisture Removal		ℓ/hr.	1.0	1.0	1.5	1.5	1.8	1.8
Air Circulation (Max)		m <sup>3</sup> /min	7.5	7.5	9.5	9.5	13.0	13.0
Noise Level	Indoor High/Low	dB	33/26	33/26	35/27	36/27	39/33	39/31
	Outdoor High	dB	48	48	50	50	52	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	220-240/50/1
Power Consumption	Cooling	W	1000	980	1300	1320	1900	2000
	Heating	W	900	-	1160	-	1900	-
Operating Current	Cooling	A	4.6	4.6	6	6.1	9	9.5
	Heating	A	4.2	-	5.5	-	9	-
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W*H*D)	Indoor	mm	728*255*185	728*255*185	820*285*190	820*285*190	890*285*190	890*285*190
	Outdoor	mm	660*475*242	660*475*242	660*475*242	660*475*242	790*548*285	720*548*265
Net Weight	Indoor	kg	6.4	6.4	8.4	8.4	9.6	8.7
	Outdoor	kg	23.5	22.9	26	26	36.7	32.4
Shipping Weight	Indoor	kg	8.1	8.25	10.4	10.4	11.7	11
	Outdoor	kg	25.7	25.05	30	30	39.7	34.4
Loading Q'ty	W Pipe	20/40/40HC	128/271/304	128/271/304	120/248/280	120/248/280	84/180/208	93/186/227
	W/O Pipe	20/40/40HC	116/244/264	116/244/264	104/224/248	104/224/248	78/162/189	81/170/207
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 9.52mm	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm
Piping Length	Max	m	15	15	15	15	15	15
Piping Height	Max	m	7	7	7	7	7	7
<b>Features</b>								
Air Purification	S-Plasma ion		-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		60	60	60	60	60	60
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
Air Flow	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-
	Optimal Single Blade		•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4
Air Direction (Up/Down)		AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	
Air Direction (Left/Right)		MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	
Operating Mode	Natural Breeze		•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
	Filter Cleaning Indicator		-	-	-	-	-	-
Convenience	Temp. Display		-	-	-	-	-	-
	Remote Controller		•	•	•	•	•	•
	Display On/Off		-	-	-	-	-	-
	Beep On/Off		-	-	-	-	-	-
	Real-time Timer		-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•
	Auto Changeover		•	•	•	•	•	•
Outdoor Unit	Compressor Type		ROTARY	ROTARY	UTR	UTR	UTR	UTR
	Anti-corrosion Fin		•	•	•	•	•	•
	Multi-channel Condensor		-	-	-	-	-	-
Low Ambient	Cooling	°C	15-43	15-43	15-52	15-52	15-52	15-52
	Heating	°C	-5-24	-	-5-24	-	-5-24	-

			Max							
Model Code			AQ24U*QNXFA	AS24U*QNXFA	AS09U*QEGL	AS12U*QEGL	AS18U*QEGL	AS24U*QEGL	AQ30U*ANXFA	AS30U*ANXFA
AC Type			HP	CO	CO	CO	CO	CO	HP	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22	R22	R22
<b>Performance</b>										
Capacity	Cooling	Btu/hr. (min-max)	24,000	24,000	9,000	12,000	18,000	24,000	29,000	30,000
		cal/hr. (min-max)	6,048	6,048	2,268	3,024	4,536	6,048	7,308	7,560
		kW (min-max)	7.0	7.0	2.6	3.5	5.3	7.0	8.4	8.8
	Heating	Btu/hr. (min-max)	24,000	-	-	-	-	-	32,000	-
		cal/hr. (min-max)	6,048	-	-	-	-	-	8,064	-
		kW (min-max)	7.0	-	-	-	-	-	9.3	-
Energy Efficiency	Cooling	EER(Btu/W)	9.60	9.23	9.18	9.09	9.00	9.23	10.0	10.2
	Heating	COP(W/W)	2.81	2.71	2.69	2.66	2.64	2.71	2.93	3.00
Moisture Removal		ℓ/hr.	2.4	2.4	1.0	1.5	1.8	2.4	3.0	3.0
Air Circulation (Max)		m <sup>3</sup> /min	17.0	17.0	7.5	9.5	13.0	17.0	25.0	20.0
Noise Level	Indoor High/Low	dB	44/35	41/33	32/24	36/27	40/32	41/33	46/40	46/40
	Outdoor High	dB	54	52	48	50	52	52	57	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	200-240/50/1
Power Consumption	Cooling	W	2500	2600	980	1320	2000	2600	2900	2930
	Heating	W	2650	-	-	-	-	-	3000	-
Operating Current	Cooling	A	12	12.5	4.6	6.1	9.5	12.5	13	13.0
	Heating	A	12.5	-	-	-	-	-	13.5	-
<b>Dimension &amp; Loading Q'ty</b>										
Net Dimension (W*H*D)	Indoor	mm	1065*298*222	1065*298*222	820*285*190	820*285*190	1065*298*222	1065*298*222	1279*345*229	1279*345*229
	Outdoor	mm	790*548*285	790*548*285	660*475*242	660*475*242	720*548*265	790*548*285	880*798*310	880*798*310
Net Weight	Indoor	kg	13	12	8.4	8.4	13	11.9	18.5	18.5
	Outdoor	kg	39	39	22.96	26	32.4	39	64	64
Shipping Weight	Indoor	kg	16	14.5	10.4	10.4	16	14.5	22	22
	Outdoor	kg	43	43	25.11	30	34.4	43	72	72
Loading Q'ty	W Pipe	20/40/40HC	75/162/187	75/162/187	120/248/280	120/248/280	78/166/203	75/162/187	46/96/114	46/96/114
	W/O Pipe	20/40/40HC	72/150/178	72/150/178	104/224/248	104/224/248	75/162/184	72/150/178	47/98/114	47/98/114
<b>Technical Information</b>										
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 15.88mm	Ø 15.88mm	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 15.88mm	Ø 15.88mm
Piping Length	Max	m	20	20	20	20	20	20	20	20
Piping Height	Max	m	8	8	7	7	7	8	8	8
<b>Features</b>										
Air Purification	S-Plasma ion		-	-	-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-	-	-
	Full HD Filter		60	60	60	60	60	60	60	60
	DNA Filter		-	-	-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•	•	•
Air Flow	Auto Clean		•	•	•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-	-	-
	Optimal Single Blade		•	•	•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4	4	4
Air Direction (Up/Down)		AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	Auto	Auto	
Air Direction (Left/Right)		MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	Manual	Manual	
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•	•	•
	Turbo		•	•	•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-	-	-
	Filter Cleaning Indicator		-	-	-	-	-	-	-	-
Convenience	Temp. Display		-	-	-	-	-	-	-	-
	Remote Controller		•	•	•	•	•	•	•	•
	Display On/Off		-	-	-	-	-	-	-	-
	Beep On/Off		-	-	-	-	-	-	-	-
	Real-time Timer		-	-	-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•	•	•
	Auto Changeover		•	•	•	•	•	•	•	•
Outdoor Unit	Compressor Type		UTR	UTR	ROTARY	UTR	UTR	UTR	UTR	UTR
	Anti-corrosion Fin		•	•	•	•	•	•	•	•
	Multi-channel Condensor		-	-	-	-	-	-	-	-
Low Ambient	Cooling	°C	15-52	15-52	15-43	15-52	15-52	15-52	21-43	21-43
	Heating	°C	-5-24	-	-	-	-	-	-5-24	-5-24

# Africa

			Max	Vivace					
Model Code			AS30U*BNXFA	AQ09V*FMID	AQ12V*FMID	AQ18V*FMID	AQ24V*FMID	AQ09V*FNXFA	
AC Type			CO	HP	HP	HP	HP	HP	
Refrigerant Type			R22	R22	R22	R22	R22	R22	
<b>Performance</b>									
Capacity	Cooling	Btu/hr. (min-max)	30,000	9,000	12,000	18,000	24,000	9,000	
		cal/hr. (min-max)	7,560	2322	3,024	4,385	5,847	2322	
		kW (min-max)	8.8	2.7	3.5	5.1	6.8	2.7	
		Heating	Btu/hr. (min-max)	-	10000	13,000	20,000	24,000	10000
		cal/hr. (min-max)	-	2494	3,267	4,815	6,019	2494	
		kW (min-max)	-	2.9	3.8	5.6	7	2.9	
	Energy Efficiency	Cooling	EER(Btu/W)	9.4	9.2	9.5	9.5	9.2	9.2
		Heating	COP(W/W)	2.75	2.8	2.78	2.68	2.71	2.8
	Moisture Removal		ℓ/hr.	3.0	1.00	1.5	1.9	2.6	1.00
	Air Circulation (Max)		m <sup>3</sup> /min	20.0	8.0	9.3	15.0	17.0	8.0
	Noise Level	Indoor High/Low	dB	50/42	32/24	36/26	40/32	42/35	32/24
		Outdoor High	dB	56	48	50	52	55	48
<b>Electrical Data</b>									
Power Source		V/Hz/Ø	200-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	
Power Consumption	Cooling	W	3200	980	1260	1900	2600	980	
	Heating	W	-	900	1160	1900	2600	900	
Operating Current	Cooling	A	17	4.6	5.8	9.0	12.5	4.6	
	Heating	A	-	4.1	5.3	9.0	12.5	4.1	
<b>Dimension &amp; Loading Q'ty</b>									
Net Dimension (W*H*D)	Indoor	mm	1279*345*229	825*285*189	825*285*189	1065*298*214	1065*298*214	825*285*189	
	Outdoor	mm	880*798*310	660*470*240	660*470*240	790*548*285	878x310x638	660*470*240	
Net Weight	Indoor	kg	20	9	9.6	13	14	9	
	Outdoor	kg	70	24.5	24.1	40.4	53	24.5	
Shipping Weight	Indoor	kg	24	11.3	12	16.7	17	11.3	
	Outdoor	kg	76	27	26.2	45.8	61	27	
Loading Q'ty	W Pipe	20/40/40HC	46/96/114	117/259/287	117/259/287	78/162/181	61/128/144	117/259/287	
	W/O Pipe	20/40/40HC	47/98/114	126/271/320	126/271/320	78/164/186	63/131/150	126/271/320	
<b>Technical Information</b>									
SVC Valve	Liquid	OD	Ø 9.52mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	Ø 15.88mm	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 9.52mm	
Piping Length	Max	m	20	15	15	15	20	15	
Piping Height	Max	m	8	7	7	8	8	7	
<b>Features</b>									
Air Purification	S-Plasma ion		-	•	•	•	•	•	
	Auto Roof Shutter		-	-	-	-	-	-	
	Full HD Filter		60	60	60	60	60	60	
	DNA Filter		-	-	-	-	-	-	
	Deodorizing Filter		-	•	•	•	•	•	
	Catechin Filter		-	•	•	•	•	•	
	Allergy Care		-	-	-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	•	•	
	Auto Clean		•	•	•	•	•	•	
	Wide Twin Blade		-	-	-	-	-	-	
Air Flow	Optimal Single Blade		•	•	•	•	•	•	
	Fan speed(Steps)		4	4	4	4	4	4	
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual	
	Natural Breeze		•	•	•	•	•	•	
Operating Mode	d'light Cool		-	-	-	-	-	-	
	good'sleep		•	•	•	•	•	•	
	Smart Saver		•	•	•	•	•	•	
	Turbo		•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	
	Quiet Mode		-	-	-	-	-	-	
	Filter Cleaning Indicator		-	-	-	-	-	-	
	Temp. Display		•	•	•	•	•	•	
Convenience	Remote Controller		•	•	•	•	•	•	
	Display On/Off		-	-	-	-	-	-	
	Beep On/Off		-	-	-	-	-	-	
	Real-time Timer		-	-	-	-	-	-	
	24-Hour Timer		•	•	•	•	•	•	
	Auto Restart		•	•	•	•	•	•	
	Auto Changeover		-	-	-	-	-	-	
	Compressor Type		UTR	Rotary	UTR	UTR	UTR	UTR	
	Anti-corrosion Fin		•	•	•	•	•	•	
	Multi-channel Condensor		-	-	-	-	-	-	
Low Ambient	Cooling	°C	21-43	15-43	15-52	15-52	15-52	15-43	
	Heating	°C	-5-24	-5-24	-5-24	-5-24	-5-24	-5-24	

			Vivace			WAC					
Model Code			AQ12V*FNXFA	AQ18V*FNXFA	AQ24V*FNXFA	AW09PKEAFR	AW12PKCAFR	AW18PKDAFR	AW24PKDAFR	AW09PKE2CBM	
AC Type			HP	HP	HP	CO	CO	CO	CO	CO	
Refrigerant Type			R22	R22	R22	R22	R22	R22	R22	R22	
<b>Performance</b>											
Capacity	Cooling	Btu/hr. (min-max)	12,000	18,000	24,000	8,500	12,000	18,000	22,000	8,500	
		cal/hr. (min-max)	3,024	4,385	5,847	2,142	3,024	4,536	5,544	2,142	
		kW (min-max)	3.5	5.1	6.8	2.491	3.517	5.275	6.448	2.491	
		Heating	Btu/hr. (min-max)	13,000	20,000	24,000	-	-	-	-	-
		cal/hr. (min-max)	3,267	4,815	6,019	-	-	-	-	-	
		kW (min-max)	3.8	5.6	7	-	-	-	-	-	
	Energy Efficiency	Cooling	EER(Btu/W)	9.5	9.5	9.2	8.6	9.0	8.8	8.0	8.6
		Heating	COP(W/W)	2.78	2.68	2.71	-	-	-	-	-
	Moisture Removal		ℓ/hr.	1.5	1.9	2.6	0.9	1.2	2.0	2.6	0.9
	Air Circulation (Max)		m <sup>3</sup> /min	9.3	15.0	17.0	6.2	7.5	11.5	13.0	6.2
	Noise Level	Indoor High/Low	dB	36/26	40/32	42/35	54	57	53	56	54
		Outdoor High	dB	50	52	55	58	65	58	61	58
<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	1260	1900	2600	990	1330	2050	2750	990	
	Heating	W	1160	1900	2600	-	-	-	-	-	
Operating Current	Cooling	A	5.8	9.0	12.5	4.3	5.8	9.3	12	4.3	
	Heating	A	5.3	9.0	12.5	-	-	-	-	-	
<b>Dimension &amp; Loading Q'ty</b>											
Net Dimension (W*H*D)	Indoor	mm	825*285*189	1065*298*214	1065*298*214	500*355*458	530*384*550	620*425*640	620*425*640	500*355*458	
	Outdoor	mm	660*470*240	790*548*285	878x310x638	-	-	-	-	-	
Net Weight	Indoor	kg	9.6	13	14	27.3	31.5	47.5	54	27.3	
	Outdoor	kg	24.1	40.4	53	-	-	-	-	-	
Shipping Weight	Indoor	kg	12	16.7	17	29.3	34.5	52	59	29.3	
	Outdoor	kg	26.2	45.8	61	-	-	-	-	-	
Loading Q'ty	W Pipe	20/40/40HC	117/259/287	78/162/181	61/128/144	220/456/460	135/300/360	96/204/255	96/204/255	220/456/460	
	W/O Pipe	20/40/40HC	126/271/320	78/164/186	63/131/150	-	-	-	-	-	
<b>Technical Information</b>											
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	-	-	-	-	-	
	Gas	OD	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	-	-	-	-	-	
Piping Length	Max	m	15	15	20	-	-	-	-	-	
Piping Height	Max	m	7	8	8	-	-	-	-	-	
<b>Features</b>											
Air Purification	S-Plasma ion		•	•	•	-	-	-	-	-	
	Auto Roof Shutter		-	-	-	-	-	-	-	-	
	Full HD Filter		60	60	60	60	60	60	60	60	
	DNA Filter		-	-	-	-	-	-	-	-	
	Deodorizing Filter		•	•	•	•	•	•	•	•	
	Catechin Filter		•	•	•	•	•	•	•	•	
	Allergy Care		-	-	-	-	-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	•	•	•	•	
	Auto Clean		•	•	•	•	•	•	•	•	
	Wide Twin Blade		-	-	-	-	-	-	-	-	
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•	•	
	Fan speed(Steps)		4	4	4	3	3	3	3	3	
	Air Direction (Up/Down)		Auto	Auto	Auto	Manual	Manual	Manual	Manual	Manual	
	Air Direction (Left/Right)		Manual	Manual	Manual	Auto	Auto	Auto	Auto	Auto	
	Natural Breeze		•	•	•	-	-	-	-	-	
Operating Mode	d'light Cool		-	-	-	-	-	-	-	-	
	good'sleep		•	•	•	•	•	•	•	•	
	Smart Saver		•	•	•	E.Saver	•	•	•	E.Saver	
	Turbo		•	•	•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	•	•	
	Quiet Mode		-	-	-	-	-	-	-	-	
	Filter Cleaning Indicator		-	-	-	-	-	-	-	-	
	Temp. Display		•	•	•	•	•	•	•	•	
Convenience	Remote Controller		•	•	•	•	•	•	•	•	
	Display On/Off		-	-	-	-	-	-	-	-	
	Beep On/Off		-	-	-	-	-	-	-	-	
	Real-time Timer		-	-	-	-	-	-	-	-	
	24-Hour Timer		•	•	•	•	•	•	•	•	
	Auto Restart		•	•	•	•	•	•	•	•	
	Auto Changeover		-	-	-	-	-	-	-	-	
	Compressor Type		UTR	UTR	UTR	Rotary	Rotary	UTR	UTR	Rotary	
	Anti-corrosion Fin		•	•	•	•	•	•	•	•	
	Multi-channel Condensor		-	-	-	-	-	-	-	-	
Low Ambient	Cooling	°C	15-43	15-43	15-43	21-52	21-43	21-52	21-43	21-52	
	Heating	°C	-5-24	-5-24	-5-24	-	-	-	-	-	

# Africa

			WAC					
Model Code			AW12PKB2CBM	AW18PKD2CBM	AW24PKD2CBM	AW09PKE2DAJ	AW12PKB2DAJ	AW18PKD2DAJ
AC Type			CO	CO	CO	CO	CO	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22
Performance								
Capacity	Cooling	Btu/hr. (min-max)	12,000	18,000	22,000	8,500	12,000	18,000
		cal/hr. (min-max)	3,024	4,536	5,544	2,142	3,024	4,536
		kW (min-max)	3.517	5.275	6.448	2.491	3.517	5.275
	Heating	Btu/hr. (min-max)	-	-	-	-	-	-
		cal/hr. (min-max)	-	-	-	-	-	-
		kW (min-max)	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	9.0	8.8	8.0	8.6	9.0	8.8
	Heating	EER(W/W)	-	-	-	-	-	-
Moisture Removal		ℓ/hr.	1.3	2.0	2.6	0.9	1.3	2.0
Air Circulation (Max)		m <sup>3</sup> /min	8.0	11.5	13.0	6.2	8.0	11.5
Noise Level	Indoor High/Low	dB	56	53	56	54	56	53
	Outdoor High	dB	64	58	61	58	64	58
Electrical Data								
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
Power Consumption	Cooling	W	1330	2050	2750	990	1330	2050
	Heating	W	-	-	-	-	-	-
Operating Current	Cooling	A	5.8	9.3	12	4.3	5.8	9.3
	Heating	A	-	-	-	-	-	-
Dimension & Loading Q'ty								
Net Dimension (W'H'D)	Indoor	mm	560*370*550	620*425*640	620*425*640	500*355*458	560*370*550	620*425*640
	Outdoor	mm	-	-	-	-	-	-
Net Weight	Indoor	kg	32.5	47.5	54	27.3	32.5	47.5
	Outdoor	kg	-	-	-	-	-	-
Shipping Weight	Indoor	kg	36.7	52	59	29.3	36.7	52
	Outdoor	kg	-	-	-	-	-	-
Loading Q'ty	W Pipe	20/40/40HC	135/282/339	96/204/255	96/204/255	220/456/460	135/282/339	96/204/255
	W/O Pipe	20/40/40HC	-	-	-	-	-	-
Technical Information								
SVC Valve	Liquid	OD	-	-	-	-	-	-
	Gas	OD	-	-	-	-	-	-
Piping Length	Max	m	-	-	-	-	-	-
Piping Height	Max	m	-	-	-	-	-	-
Features								
Air Purification	S-Plasma ion		-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		60	60	60	60	60	60
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
Air Flow	Auto Clean		-	-	-	-	-	-
	Wide Twin Blade		-	-	-	-	-	-
	Optimal Single Blade		-	-	-	-	-	-
	Fan speed(Steps)		3	3	3	3	3	3
Operating Mode	Air Direction (Up/Down)		Manual	Manual	Manual	Manual	Manual	Manual
	Air Direction (Left/Right)		Auto	Auto	Auto	Auto	Auto	Auto
	Natural Breeze		-	-	-	-	-	-
Convenience	d'light Cool		-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•
	Smart Saver		E.Saver	•	•	E.Saver	E.Saver	•
	Turbo		-	-	-	-	-	-
	Dehumidification		•	•	•	•	•	•
	Auto Mode		-	-	-	-	-	-
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
Outdoor Unit	Filter Cleaning Indicator		-	-	-	-	-	-
	Temp. Display		•	•	•	•	•	•
	Remote Controller		•	•	•	•	•	•
	Display On/Off		-	-	-	-	-	-
	Beep On/Off		-	-	-	-	-	-
	Real-time Timer		-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•
Low Ambient	Auto Changeover		-	-	-	-	-	-
	Compressor Type		Rotary	UTR	UTR	Rotary	Rotary	UTR
	Anti-corrosion Fin		•	•	•	•	•	•
Multi-channel Condensor			-	-	-	-	-	-
			-	-	-	-	-	-
Cooling		°C	21-52	21-52	21-52	21-52	21-52	21-52
		°C	-	-	-	-	-	-

			WAC							
Model Code			AW09PKE2SIM	AW12PKB2SIM	AW18PKD2SIM	AW09P1EXFA	AZ09PHBXFA	AW12P1CXFA	AZ12PHAXFA	AW18P1DXFA
AC Type			CO	CO	CO	CO	HP	CO	HP	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22	R22	R22
Performance										
Capacity	Cooling	Btu/hr. (min-max)	8,500	12,000	18,000	8,500	8,400	12,000	11,000	18,000
		cal/hr. (min-max)	-	-	-	-	-	-	-	-
		kW (min-max)	2,142	3,024	4,536	2,142	2,117	3,024	2,772	4,536
	Heating	Btu/hr. (min-max)	2,491	3,517	5,275	2,491	2,462	3,517	3,224	5,275
		cal/hr. (min-max)	-	-	-	-	-	-	-	-
		kW (min-max)	-	-	-	-	8,200	-	11,000	-
Energy Efficiency	Cooling	EER(Btu/W)	8.6	9.0	8.8	8.6	8.4	9.0	7.9	8.8
	Heating	EER(W/W)	-	-	-	-	-	-	-	-
Moisture Removal		ℓ/hr.	0.9	1.3	2.0	0.9	1	1.2	1.5	2.0
Air Circulation (Max)		m <sup>3</sup> /min	6.2	8.0	11.5	6.2	6.5	7.5	8.5	11.5
Noise Level	Indoor High/Low	dB	54	56	53	54	56	57	56	53
	Outdoor High	dB	58	64	58	58	64	65	64	58
Electrical Data										
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	990	1330	2050	990	1000	1330	1390	2050
	Heating	W	-	-	-	-	1000	-	1260	-
Operating Current	Cooling	A	4.3	5.8	9.3	4.3	4.4	5.8	5.9	9.3
	Heating	A	-	-	-	-	4.4	-	5.4	-
Dimension & Loading Q'ty										
Net Dimension (W'H'D)	Indoor	mm	500*355*458	560*370*550	620*425*640	500*355*458	560*370*550	530*384*550	560*370*550	620*425*640
	Outdoor	mm	-	-	-	-	-	-	-	-
Net Weight	Indoor	kg	27.3	32.5	47.5	27.3	32.5	31.5	35.5	47.5
	Outdoor	kg	-	-	-	-	-	-	-	-
Shipping Weight	Indoor	kg	29.3	36.7	52	29.3	36	34.5	39	52
	Outdoor	kg	-	-	-	-	-	-	-	-
Loading Q'ty	W Pipe	20/40/40HC	220/456/460	135/282/339	96/204/255	220/456/460	135/282/339	135/300/360	135/282/339	96/204/255
	W/O Pipe	20/40/40HC	-	-	-	-	-	-	-	-
Technical Information										
SVC Valve	Liquid	OD	-	-	-	-	-	-	-	-
	Gas	OD	-	-	-	-	-	-	-	-
Piping Length	Max	m	-	-	-	-	-	-	-	-
Piping Height	Max	m	-	-	-	-	-	-	-	-
Features										
Air Purification	S-Plasma ion		-	-	-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-	-	-
	Full HD Filter		60	60	60	60	60	60	60	60
	DNA Filter		-	-	-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•	•	•
Air Flow	Auto Clean		-	-	-	-	-	-	-	-
	Wide Twin Blade		-	-	-	-	-	-	-	-
	Optimal Single Blade		-	-	-	-	-	-	-	-
	Fan speed(Steps)		3	3	3	3	3	3	3	3
Operating Mode	Air Direction (Up/Down)		Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
	Air Direction (Left/Right)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
	Natural Breeze		-	-	-	-	-	-	-	-
Convenience	d'light Cool		-	-	-	-	-	-	-	-
	good'sleep		•	•	•	•	•	•	•	•
	Smart Saver		E.Saver	•	•	E.Saver	E.Saver	-	E.Saver	-
	Turbo		-	-	-	-	-	-	-	-
	Dehumidification		•	•	•	•	•	•	•	•
	Auto Mode		-	-	-	-	-	-	-	-
	Fan Mode		•	•	•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-	-	-
Outdoor Unit	Filter Cleaning Indicator		-	-	-	-	-	-	-	-
	Temp. Display		•	•	•	•	•	•	•	•
	Remote Controller		•	•	•	•	•	•	•	•
	Display On/Off		-	-	-	-	-	-	-	-
	Beep On/Off		-	-	-	-	-	-	-	-
	Real-time Timer		-	-	-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•	•	•
Low Ambient	Auto Changeover		-	-	-	-	-	-	-	-
	Compressor Type		Rotary	Rotary	UTR	Rotary	UTR	Rotary	UTR	UTR
	Anti-corrosion Fin		•	•	•	•	•	•	•	•
Multi-channel Condensor			-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-
Cooling		°C	21-52	21-52	21-52	21-52	21-43	21-43	21-43	21-52
		°C	-	-	-	-	0-24	-	0-24	-

# Africa

			WAC	Waltz	Mirage		Super	
Model Code			AW24P1DXFA	AP28Z0RAXSG	AP30M0AXSG	AP50M0AXSG	AP80S0AXSG	AP0AS0AXSG
AC Type			CO	CO	CO	CO	CO	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22
Performance								
Capacity	Cooling	Btu/hr. (min-max)	22,000	28,000	28,000	48,000	75,000	96,000
		cal/hr. (min-max)	5,544	-	-	-	-	-
		kW (min-max)	6.448	8.2	8.2	14.0	22.0	28.1
	Heating	Btu/hr. (min-max)	-	-	-	-	-	-
		cal/hr. (min-max)	-	-	-	-	-	-
		kW (min-max)	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	8.0	9.66	9.94	10.30	11.3	9.8
	Heating	EER(W/W)	-	2.83	2.82	3.00	-	-
Moisture Removal		ℓ/hr.	2.6	3.1	3.1	5.4	5.0	8.0
Air Circulation (Max)		m <sup>3</sup> /min	13.0	18.0	18.8	33.0	67.0	76.0
Noise Level	Indoor High/Low	dB	56	50	44	51	55	57
	Outdoor High	dB	61	63	52	55	62	65
Electrical Data								
Power Source		V/Hz/Ø	220-240/50/1	220-240/50/1	220-240/50/1	380-415/50/3	380-415/50/3	380-415/50/3
Power Consumption	Cooling	W	2750	2900	2900	4660	6,600	9,800
	Heating	W	-	-	-	-	-	-
Operating Current	Cooling	A	12	12.5	12.7	8.7	12.0	16.5
	Heating	A	-	-	-	-	-	-
Dimension & Loading Q'ty								
Net Dimension (W*H*D)	Indoor	mm	620*425*640	532*1830*319	525*1850*320	610*1850*400	1,100*1,800*485	1,100*1,800*485
	Outdoor	mm	-	880*798*310	880*798*310	932*1128*375	932*1,270*385	880*1,646*765
Net Weight	Indoor	kg	54	40.5	30	46	122	130
	Outdoor	kg	-	57	56	91	122	220
Shipping Weight	Indoor	kg	59	46	35	51	135	143
	Outdoor	kg	-	60	61	99	137	240
Loading Q'ty	W Pipe	20/40/40HC	96/204/255	27/56	28/57	IU: 35/74/74 OU: 24/48/96	10 / 21 / 21	8 / 16 / 16
	W/O Pipe	20/40/40HC	-	27/56	28/57	IU: 35/74/74 OU: 24/48/96	10 / 21 / 21	8 / 16 / 16
Technical Information								
SVC Valve	Liquid	OD	-	Ø 6.35mmx5m	Ø 6.35mm	Ø 9.35mm	1/2"	1/2"
	Gas	OD	-	Ø 15.88mmx5m	Ø 15.88mm	Ø 19.05mm	1"	1"
Piping Length	Max	m	-	15	15	25	50	50
Piping Height	Max	m	-	15	10	15	30	30
Features								
Air Purification	S-Plasma ion		-	-	-	-	-	-
	Auto Roof Shutter		-	•	•	•	-	-
	Full HD Filter		60	•	•	•	-	-
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-
Air Flow	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-
	Optimal Single Blade		-	-	-	-	-	-
Operating Mode	Fan speed(Steps)		3	3	3	2	2	2
	Air Direction (Up/Down)		Manual	-	Auto	Auto	Manual	Manual
	Air Direction (Left/Right)		Auto	Auto	Auto	Auto	Manual	Manual
	Natural Breeze		-	-	-	-	-	-
Convenience	d'light Cool		-	-	-	-	-	-
	good'sleep		-	-	-	-	-	-
	Smart Saver		-	-	-	•	•	•
	Turbo		-	•	•	•	•	•
	Dehumidification		-	•	•	•	•	•
	Auto Mode		-	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
	Filter Cleaning Indicator		-	•	•	•	•	•
	Temp. Display		-	•	•	•	•	•
Outdoor Unit	Remote Controller		-	•	•	•	•	•
	Display On/Off		-	-	-	-	-	-
	Beep On/Off		-	-	-	-	-	-
	Real-time Timer		-	-	-	-	-	-
	24-Hour Timer		-	•	•	•	12-Hour	12-Hour
	Auto Restart		-	•	•	•	•	•
	Auto Changeover		-	-	-	-	-	-
Low Ambient	Compressor Type		UTR	UTR	UTR	UTR	SCROLL	SCROLL
	Anti-corrosion Fin		•	•	•	•	•	•
	Multi-channel Condenser		-	-	-	-	-	-

# Southwest Asia

			P-series (Maldives)		BORACAY			
Model Code			ASV125PBB	ASV185PBB	AS122BBF	AS125BBF	AS182BBF	AS183BBF
AC Type			INV. CO	INV. CO	CO	CO	CO	CO
Refrigerant Type			R410A	R410A	R22	R22	R22	R22
Performance								
Capacity	Cooling	Btu/hr. (min-max)	10,918	17,060	-	-	-	-
		Kcal/hr. (min-max)	3,310-13,648	4,777-21,154	-	-	-	-
		kW (min-max)	834-3,440	1,204-5,590	-	-	-	-
	Heating	Btu/hr. (min-max)	0.97-4.0	1.4-6.2	-	-	-	-
		cal/hr. (min-max)	-	-	-	-	-	-
		kW (min-max)	-	-	-	-	-	-
Energy Efficiency	Cooling	EER(Btu/W)	11.6	11.9	-	-	-	-
	Heating	EER(W/W)	3.40	3.50	2.84	3.38	2.82	3.08
Moisture Removal		ℓ/hr.	1.4	2.5	1.5	1.5	2.0	2.0
Air Circulation (Max)		m <sup>3</sup> /min	9.0	13.0	10	13	16.0	16.0
Noise Level	Indoor High/Low	dB	37/21	41/30	37/26	36/30	41/30	42/31
	Outdoor High	dB	46	53	51	50	51	50
Electrical Data								
Power Source		V/Hz/Ø	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1
Power Consumption	Cooling	W	940	1430	1240	1170	1870	1690
	Heating	W	-	-	-	-	-	-
Operating Current	Cooling	A	4.8	6.5	5.5	5.2	8.2	7.3
	Heating	A	-	-	-	-	-	-
Dimension & Loading Q'ty								
Net Dimension (W*H*D)	Indoor	mm	820*285*205	1065*298*230	890x285x210	1,065x298x225	1,065x298x225	1,065x298x225
	Outdoor	mm	720*548*265	880*638*310	660x475x242	720x548x265	720x548x265	720x548x265
Net Weight	Indoor	kg	8.4	12.0	8.7	12.3	12.1	12.1
	Outdoor	kg	26.7	42.0	24.0	29.1	32.3	33.2
Shipping Weight	Indoor	kg	10.0	14.4	10.1	14.7	14.4	14.4
	Outdoor	kg	29.4	47.1	28.9	34.1	37.2	38.2
Loading Q'ty	W/O Pipe	20/40/40HC	96/204/229	60/127/147	129 / 265 / 299	80 / 168 / 188	80 / 168 / 188	80 / 168 / 188
	W Pipe	20/40/40HC	-	-	-	-	-	-
Technical Information								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 9.52mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm
Piping Length	Max	m	15	30	15	15	15	15
Piping Height	Max	m	7	15	8	8	8	8
Features								
Air Purification	S-Plasma ion		-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		80	80	60	60	60	60
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-
Air Flow	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-
	Optimal Single Blade		-	-	-	-	-	-
Operating Mode	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual
	Natural Breeze		•	•	•	•	•	•
Convenience	d'light Cool		-	-	-	-	-	-
	Happy Hours		-	-	•	•	•	•
	Bio Sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		•	•	-	-	-	-
	Filter Cleaning Indicator		-	-	-	-	-	-
Outdoor Unit	Temp. Display		-	•	•	•	•	•
	Remote Controller		•	•	•	•	•	•
	Display On/Off		-	-	-	-	-	-
	Beep On/Off		-	-	•	•	•	•
	Real-time Timer		-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•
Low Ambient	Compressor Type		BLDC	Twin BLDC	UTR	UTR	UTR	UTR
	Anti-corrosion Fin		•	•	-	-	-	
	Multi-channel Condenser		•	•	•	•	•	

# Southwest Asia

			BORACAY				BORACAY+	BORACAY(MR)
Model Code			AS184BBJ	AS185BBH	AS242BBF	AS242BBJ	AS183BNF	AS183MBF
AC Type			CO	CO	CO	CO	CO	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22
<b>Performance</b>								
Capacity	Cooling	Btu/hr.	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-
		Kcal/hr.	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-
		kW	5.3	5.3	6.5	6.7	5.2	5.2
	(min-max)	-	-	-	-	-	-	
	Heating	Btu/hr.	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-
		cal/hr.	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-
kW		-	-	-	-	-	-	
(min-max)	-	-	-	-	-	-		
Energy Efficiency	Cooling	EER(Btu/W)	-	-	-	-	-	
		EER(W/W)	3.14	3.38	2.83	2.83	3.08	3.08
	Heating	COP(W/W)	-	-	-	-	-	-
Moisture Removal		ℓ/hr.	2.0	2.0	2.5	2.5	2.0	
Air Circulation (Max)		m <sup>3</sup> /min	16.0	16.0	17.0	17.0	16.0	
Noise Level	Indoor High/Low	dB	40/32	41/31	43/36	43/36	42/31	42/31
	Outdoor High	dB	52	53	54	53	50	50
<b>Electrical Data</b>								
Power Source		V/Hz/Ø	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1
Power Consumption	Cooling	W	1690	1570	2300	2370	1690	1690
	Heating	W	-	-	-	-	-	-
Operating Current	Cooling	A	7.5	7.0	10.2	10.5	7.3	7.3
	Heating	A	-	-	-	-	-	-
<b>Dimension &amp; Loading Q'ty</b>								
Net Dimension (W'H'D)	Indoor	mm	1,065x298x225	1,065x298x225	1,065x298x225	1,065x298x225	1,065x298x225	1,065x298x225
	Outdoor	mm	880x638x310	880x638x310	880x638x310	880x638x310	720x548x265	720x548x265
Net Weight	Indoor	kg	12.3	12.3	12.6	12.6	12.1	12.1
	Outdoor	kg	44.1	40.9	47.2	47.2	33.2	33.2
Shipping Weight	Indoor	kg	14.7	14.7	15.3	15.3	14.4	14.4
	Outdoor	kg	49.4	46.3	52.9	52.9	38.2	38.2
Loading Q'ty	W/O Pipe	20/40/40HC	63 / 130 / 150	63 / 130 / 150	63 / 130 / 150	63 / 130 / 150	80 / 168 / 188	80 / 168 / 188
<b>Technical Information</b>								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 15.88mm	Ø 12.7mm	Ø 12.7mm
Piping Length	Max	m	15	15	20	20	15	15
Piping Height	Max	m	8	8	8	8	8	8
<b>Features</b>								
Air Purification	S-Plasma ion		-	-	-	-	•	-
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		60	60	60	60	60	60
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	•
	Catechin Filter		-	-	-	-	-	•
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-
Air Flow	Optimal Single Blade		•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual
Operating Mode	Natural Breeze		•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-
	Happy Hours		•	•	•	•	•	•
	Bio Sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
Convenience	Filter Cleaning Indicator		-	-	-	-	-	-
	Temp. Display		•	•	•	•	•	•
	Remote Controller		•	•	•	•	•	•
	Display On/Off		•	•	•	•	•	•
	Beep On/Off		•	•	•	•	•	•
	Real-time Timer		-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•
	Auto Changeover		-	-	-	-	-	-
	Outdoor Unit	Compressor Type		UTR	UTR	UTR	UTR	UTR
Anti-corrosion Fin			-	-	-	-	-	-
Multi-channel Condensor			•	•	•	•	•	•
Low Ambient	Cooling	°C	21-54	21-54	21-54	21-54	21-54	21-54
	Heating	°C	-	-	-	-	-	-

		BORACAY(MR)	S-BORACAY+	S-BORACAY						
Model Code		AS185MBF	AS123BNE	AS122BPE	AS123BPE	AS182BPE	AS182BPG	AS183BPE	AS184BPE	
AC Type		CO	CO	CO	CO	CO	CO	CO	CO	
Refrigerant Type		R22	R22	R22	R22	R22	R22	R22	R22	
<b>Performance</b>										
Capacity	Cooling	Btu/hr.	-	-	-	-	-	-	-	
		(min-max)	-	-	-	-	-	-	-	
		Kcal/hr.	-	-	-	-	-	-	-	
		(min-max)	-	-	-	-	-	-	-	
		kW	5.3	3.7	3.5	3.7	5.2	5.2	5.2	5.2
	(min-max)	-	-	-	-	-	-	-	-	
	Heating	Btu/hr.	-	-	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-	-	-
		cal/hr.	-	-	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-	-	-
kW		-	-	-	-	-	-	-	-	
(min-max)	-	-	-	-	-	-	-	-		
Energy Efficiency	Cooling	EER(Btu/W)	-	-	-	-	-	-	-	
		EER(W/W)	3.38	2.96	2.84	2.96	2.84	2.84	3.08	3.19
	Heating	COP(W/W)	-	-	-	-	-	-	-	-
Moisture Removal		ℓ/hr.	2.0	1.5	1.5	1.5	2.0	2.0	2.0	
Air Circulation (Max)		m <sup>3</sup> /min	16.0	13.0	10.0	13.0	16.0	16.0	16.0	
Noise Level	Indoor High/Low	dB	41/31	39/28	38/29	39/28	40/31	40/31	40/31	
	Outdoor High	dB	53	52	50	52	53	53	53	
<b>Electrical Data</b>										
Power Source		V/Hz/Ø	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	
Power Consumption	Cooling	W	1570	1250	1240	1250	1830	1830	1630	
	Heating	W	-	-	-	-	-	-	-	
Operating Current	Cooling	A	7.0	5.8	5.8	5.8	8	8	8.0	
	Heating	A	-	-	-	-	-	-	-	
<b>Dimension &amp; Loading Q'ty</b>										
Net Dimension (W'H'D)	Indoor	mm	1,065x298x225	890x285x210	890x285x210	890x285x210	1,065x298x225	1,065x298x225	1,065x298x225	
	Outdoor	mm	880x638x310	720x548x265	720x548x265	720x548x265	790x548x285	790x548x285	790x548x285	
Net Weight	Indoor	kg	12.3	9.1	8.7	9.1	12.1	12.1	12.3	
	Outdoor	kg	40.9	31.9	31.9	31.9	40.9	40.9	40.9	
Shipping Weight	Indoor	kg	14.7	11.0	10.1	11.0	14.4	14.4	14.7	
	Outdoor	kg	46.3	36.9	36.9	36.9	46.3	46.3	46.3	
Loading Q'ty	W/O Pipe	20/40/40HC	63 / 130 / 150	92 / 190 / 211	92 / 190 / 211	92 / 190 / 211	78 / 164 / 188	78 / 164 / 188	78 / 164 / 188	
<b>Technical Information</b>										
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	
	Gas	OD	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm	
Piping Length	Max	m	15	15	15	15	15	15	15	
Piping Height	Max	m	8	8	8	8	8	8	8	
<b>Features</b>										
Air Purification	S-Plasma ion		-	•	-	-	-	-	-	
	Auto Roof Shutter		-	-	-	-	-	-	-	
	Full HD Filter		60	60	60	60	60	60	60	
	DNA Filter		-	-	-	-	-	-	-	
	Deodorizing Filter		-	-	-	-	-	-	-	
	Catechin Filter		-	-	-	-	-	-	-	
	Allergy Care		-	-	-	-	-	-	-	
	Anti-bacteria Coating		•	•	•	•	•	•	•	
	Auto Clean		•	•	•	•	•	•	•	
	Wide Twin Blade		-	-	-	-	-	-	-	
Air Flow	Optimal Single Blade		•	•	•	•	•	•	•	
	Fan speed(Steps)		4	4	4	4	4	4	4	
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual	Manual	
Operating Mode	Natural Breeze		•	•	•	•	•	•	•	
	d'light Cool		-	-	-	-	-	-	-	
	Happy Hours		•	•	•	•	•	•	•	
	Bio Sleep		•	•	•	•	•	•	•	
	Smart Saver		•	•	•	•	•	•	•	
	Turbo		•	•	•	•	•	•	•	
	Dehumidification		•	•	•	•	•	•	•	
	Auto Mode		•	•	•	•	•	•	•	
	Fan Mode		•	•	•	•	•	•	•	
	Quiet Mode		-	-	-	-	-	-	-	
Convenience	Filter Cleaning Indicator		-	-	-	-	-	-	-	
	Temp. Display		•	•	•	•	•	•	•	
	Remote Controller		•	•	•	•	•	•	•	
	Display On/Off		•	•	•	•	•	•	•	
	Beep On/Off		•	•	•	•	•	•	•	
	Real-time Timer		-	-	-	-	-	-	-	
	24-Hour Timer		•	•	•	•	•	•	•	
	Auto Restart		•	•	•	•	•	•	•	
	Auto Changeover		-	-	-	-	-	-	-	
	Outdoor Unit	Compressor Type		UTR	UTR/STF	UTR/STF	UTR/STF	UTR/STF	UTR/STF	UTR/STF
Anti-corrosion Fin			-	-	-	-	-	-	-	
Multi-channel Condensor			•	•	•	•	•	•	•	
Low Ambient	Cooling	°C	21-54	21-54	21-54	21-54	21-54	21-54	21-54	
	Heating	°C	-	-	-	-	-	-	-	





# Southwest Asia

			MAX(B)			MAX(B2B)		
Model Code			AS182UBF	AS182UBJ	AS241UBJ	AS122WGF	AS181WBF	AS183WGF
AC Type			CO	CO	CO	CO	CO	CO
Refrigerant Type			R22	R22	R22	R22	R22	R22
Performance								
Capacity	Cooling	Btu/hr.	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-
		Kcal/hr.	-	-	-	-	-	-
	Heating	(min-max)	-	-	-	-	-	-
		kW	5.3	5.3	6.5	3.5	5.1	5.2
		(min-max)	-	-	-	-	-	-
Energy Efficiency	Cooling	Btu/hr.	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-
		cal/hr.	-	-	-	-	-	-
	Heating	(min-max)	-	-	-	-	-	-
		kW	-	-	-	-	-	-
		(min-max)	-	-	-	-	-	-
Moisture Removal	ℓ/hr.	2.0	2.0	2.5	1.5	2.0	2.0	
	air circulation (Max)	m <sup>3</sup> /min	16.0	16.0	17.0	10	13.0	16.0
Noise Level	Indoor High/Low	dB	41/30	41/30	41/35	37/26	39/29	42/31
	Outdoor High	dB	51	51	52	51	51	50
Electrical Data								
Power Source		V/Hz/Ø	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1
Power Consumption	Cooling	W	1870	1870	2420	1240	1920	1690
	Heating	W	-	-	-	-	-	-
Operating Current	Cooling	A	8.2	8.2	10.2	5.5	8.2	7.3
	Heating	A	-	-	-	-	-	-
Dimension & Loading Q'ty								
Net Dimension (W*H*D)	Indoor	mm	1,065x298x222	1,065x298x222	1,065x298x222	890x285x190	890x285x190	1,065x298x222
	Outdoor	mm	720x548x265	720x548x265	790x548x285	660x475x242	720x548x265	720x548x265
Net Weight	Indoor	kg	12.1	12.1	12.6	8.7	9.1	12.1
	Outdoor	kg	32.3	32.3	40.9	24.0	32.3	33.2
Shipping Weight	Indoor	kg	14.4	14.4	15.3	10.1	11.0	14.4
	Outdoor	kg	37.2	37.2	46.4	28.9	37.2	38.2
Loading Q'ty	W/O Pipe	20/40/40HC	80 / 168 / 188	80 / 168 / 188	78 / 164 / 188	129 / 265 / 299	92 / 190 / 211	80 / 168 / 188
Technical Information								
SVC Valve	Liquid	OD	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm	Ø 6.35mm
	Gas	OD	Ø 12.7mm	Ø 12.7mm	Ø 15.88mm	Ø 12.7mm	Ø 12.7mm	Ø 12.7mm
Piping Length	Max	m	15	15	20	15	15	15
Piping Height	Max	m	8	8	8	8	8	8
Features								
Air Purification	S-Plasma ion		-	-	-	-	-	-
	Auto Roof Shutter		-	-	-	-	-	-
	Full HD Filter		60	60	60	60	60	60
	DNA Filter		-	-	-	-	-	-
	Deodorizing Filter		-	-	-	-	-	-
	Catechin Filter		-	-	-	-	-	-
	Allergy Care		-	-	-	-	-	-
	Anti-bacteria Coating		•	•	•	•	•	•
Air Flow	Auto Clean		•	•	•	•	•	•
	Wide Twin Blade		-	-	-	-	-	-
	Optimal Single Blade		•	•	•	•	•	•
	Fan speed(Steps)		4	4	4	4	4	4
	Air Direction (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual
Operating Mode	Natural Breeze		•	•	•	•	•	•
	d'light Cool		-	-	-	-	-	-
	Happy Hours		•	-	-	•	•	•
	Bio Sleep		•	•	•	•	•	•
	Smart Saver		•	•	•	•	•	•
	Turbo		•	•	•	•	•	•
	Dehumidification		•	•	•	•	•	•
	Auto Mode		•	•	•	•	•	•
	Fan Mode		•	•	•	•	•	•
	Quiet Mode		-	-	-	-	-	-
Convenience	Filter Cleaning Indicator		-	-	-	-	-	-
	Temp. Display		•	•	•	•	•	•
	Remote Controller		•	•	•	•	•	•
	Display On/Off		•	•	•	•	•	•
	Beep On/Off		•	•	•	•	•	•
	Real-time Timer		-	-	-	-	-	-
	24-Hour Timer		•	•	•	•	•	•
	Auto Restart		•	•	•	•	•	•
Auto Changeover		-	-	-	-	-	-	
Outdoor Unit	Compressor Type		UTR	UTR	UTR	UTR	UTR	UTR
	Anti-corrosion Fin		-	-	-	-	-	-
	Multi-channel Condensor		•	•	•	•	•	•
Low Ambient	Cooling	°C	21-54	21-54	21-54	21-54	21-54	21-54
	Heating	°C	-	-	-	-	-	-

			WALTZ
Model Code			CO
AC Type			AP2820A
Refrigerant Type			R22
Performance			
Capacity	Cooling	Btu/hr.	28,000
		(min-max)	-
		Kcal/hr.	-
	Heating	(min-max)	-
		kW	8.2
		(min-max)	-
Energy Efficiency	Cooling	Btu/hr.	-
		(min-max)	-
		cal/hr.	-
	Heating	(min-max)	-
		kW	-
		(min-max)	-
Moisture Removal	ℓ/hr.	9.66	
	air circulation (Max)	2.83	
Noise Level	Indoor High/Low	3.1	
	Outdoor High	18.0	
Electrical Data	Power Source	50	
	Power Consumption	63	
Dimension & Loading Q'ty	Net Dimension (W*H*D)	1P2W, 220-240/50	
	Net Weight	2900	
Shipping Weight	Indoor	-	
	Outdoor	12.5	
Technical Information	SVC Valve	-	
	Piping Length	532*1830*319	
Features	Auto Clean	880*798*310	
	Auto Restart	40.5	
Operating Mode	Natural Breeze	57	
	d'light Cool	46	
Convenience	Filter Cleaning Indicator	60	
	Temp. Display	27/56	
Outdoor Unit	Compressor Type	Ø 6.35mm	
	Anti-corrosion Fin	Ø 15.88mm	
Low Ambient	Cooling	15	
	Heating	15	