

# Haier



DC Motor

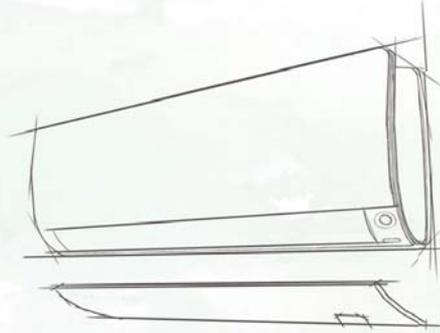
## Whispering Air

Cross Flow Fan

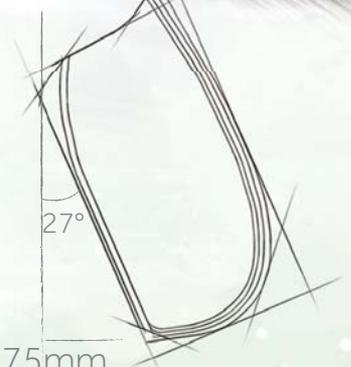
Length Increase 7%



Easy  
Installation



Detachable Bottom Cover



175mm



2018 RESIDENTIAL  
AIR CONDITIONING

# EU



## **Our Vision :**

To be a recognized leader in global HVAC industry by innovation in technology, product and business model.

## **Our Mission :**

Through all of our efforts in innovation in control, air quality, heating & cooling performance & service to make comfort easier.

## **Our Promise :**

Comfort Made Easier.



# CONTENT

## 01.

### Haier Group

- 01/ Haier Brand Story
- 02/ Haier Global Position
- 02/ Haier Global Network

## 02.

### Haier Air Conditioning

- 03/ Haier AC Milestones
- 05/ AC R&D Center
- 07/ Global Manufacturing Capacity
- 08/ Haier Air Conditioning in Europe

## 03.

### Air Conditioning Key Functions

- 13/ Whispering Air
- 17/ Smart Control
- 25/ Easy Installation
- 29/ Differentiated Function
  - Energy Saving
  - Comfort Care
  - Health Care
  - User Friendly

## 04.

### Product Line

#### 43/ Seasonal Green R32

- 43/ -Dawn Series
- 45/ -Flexis Series
- 47/ -Flair Series
- 49/ -Tundra Green Series

#### 51/ Seasonal Nordic

- 51/ -Crystal Series (for Nordic)

#### 53/ Seasonal Super Match

- 53/ -Nebula Series
- 55/ -Brezza Series
- 65/ -Console Series

#### 57/ Seasonal Basic

- 57/ -Tundra Series

#### 67/ Cabinet

- 67/ -Cabinet Series

#### 71/ Portable Air Conditioning

- 71/ -Portable Air Conditioning



# Haier Brand Story

The Internet era is a diverse and unconventional time, where "one size fits all" products and solutions simply are not enough. Customers want to be treated as individuals and respected for who they are.

Everyone wants their unique lifestyle acknowledged. That is why Haier listens closely to you in order to gain a genuine understanding of what is going on in your life and what is on your mind. So each of you can get the smart home experience you deserve: be it simple, sophisticated, organized or enjoyable.

As a worldwide industry leader, Haier innovates beyond products and solutions and turns the organization into a wholly connected platform. In doing so, internal and external resources are connected quickly and easily. We believe only by doing so, we can best meet our consumers' expectations in this rapidly evolving world.

Be part of the Haier Network. Create new possibilities.



# Haier AC Milestones

## Comfort Made Easier

1984

Haier group was founded in Qingdao, China



1985

Qingdao Qingkong air conditioner factory established



1993

Haier introduces China's first inverter air conditioner



1994

Haier receives ISO 9001 certification  
Haier exports its first air conditioners to Europe



1998

Haier introduces the first digital DC inverter air conditioner in China



1999

Haier begins export of air conditioners to the United States and reaches #1 brand status for Room and Portable Air Conditioners in 2005



2001

Haier builds up industry park in Pakistan and catches No.1 market share in 2005



2011

Haier introduces full range of Super match solution covering on-off and inverter models as well as mono and multi system



### 2013

Haier introduces Emperor series and Aero series floor standing models which lead the innovation in design and air supply system



### 2014

Haier establish AC R&D center to enhance the R&D ability with more focus on user's experience



### 2015

Haier build up the world's most advanced intelligent factory



### 2016

Haier launching full range of air conditioners with the lowest noise in the industry.



### 2017

Haier launching easy installation products Flexis Series.

Haier India air conditioner factory put in use.



# AC R&D Center

Haier Air Conditioning R&D Center, located in Qingdao, China, completed in December 2013, covers 20,000 square meters. It has more than 120 laboratories, including testing laboratories, key part research laboratories and all-weather user experience simulation laboratories. The R&D center also has the world tallest "drop tower" for testing long refrigerant piping tests(350 feet tall).

In April 2014, Haier established joint laboratories with Highly for research in heating & cooling technology and with Mitsubishi Electric for innovative technology for user experience. Research by the user experience center covers the fields of user comfort evaluation, aerodynamics, acoustics, EMC(Electro-Magnetic Compatibility) and mechanics etc. The labs can carry out more than 600 international tests as per ISO, IEC, EN, CISPR and ANSI etc. to meet the requirements of Europe, Asia, America, Australia, Middle East and other 100 countries and regions.



Haier & Mitsubishi joint laboratory



Haier & HICHLY joint laboratory

## Comfort Evaluation Labs

User Comfort Evaluation



Simulated Rainfall Test



Simulated Snow Test



Simulated Sunshine Test



## Air Enthalpy Test Labs

Performance Test



Safe Test



Reliability Test



Humidity Condition Handling



## Acoustic Labs



## EMC Test



## Double 85 Test



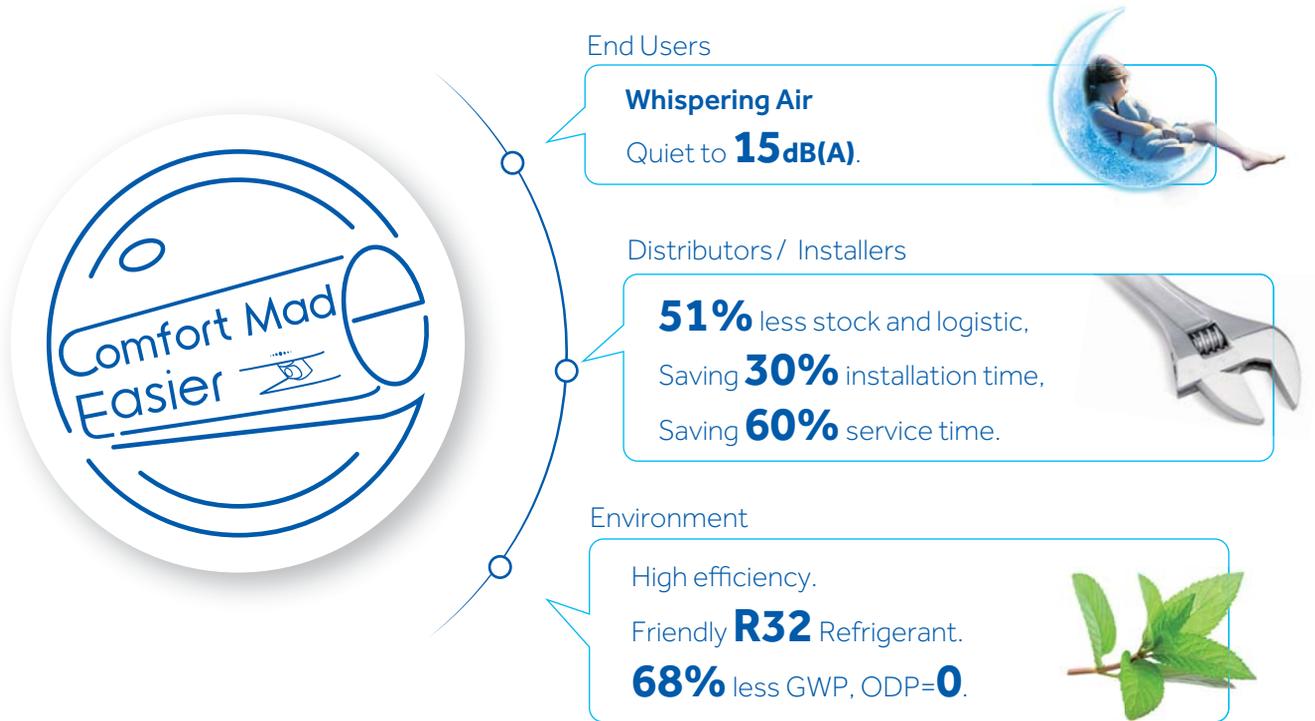
## Drop Test



# Haier Air Conditioning in Europe

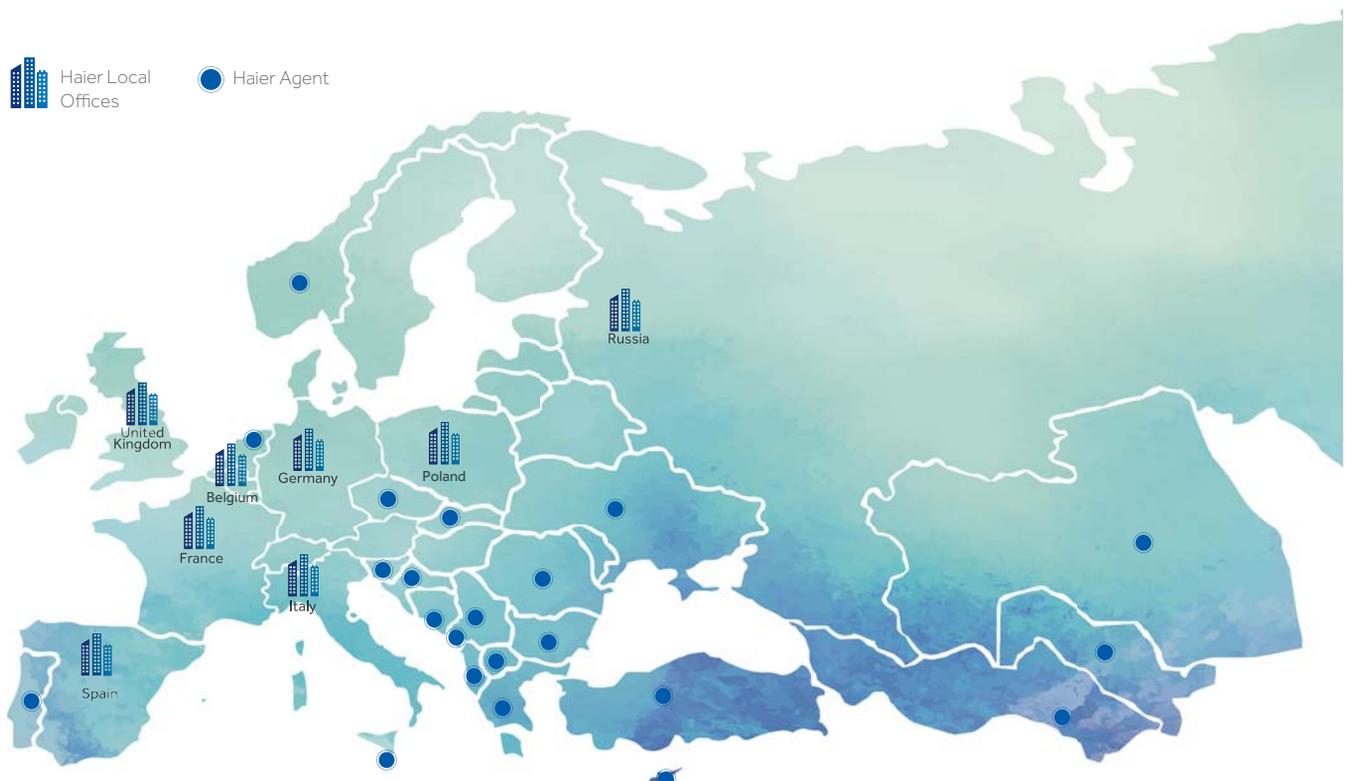
## Value We Provide

Haier AC commits to be a recognized leaders in global HVAC industry by innovation in technology, product and business model. In Europe, Haier AC provides a best experience and solution to end users , Distributors/Installers and Environment.



## European Presence

Haier air conditioning focuses on building local organizations to offer more efficient and professional solution and service to our customers and users in France, Italy, Spain, Germany, UK, Belgium, Poland and Russia, while in other Europe countries listed below we mainly cooperate with the local professional HVAC partners to ensure our presence and service.



# Global Manufacturing Capacity

Domestically, Haier AC is running 8 factories, 1 of which is MHAQ, a JV between Haier and Mitsubishi Heavy. In overseas markets, Haier is running 8 manufacturing plants.

With all these factories, Haier AC has a product capacity amounts to 20.1 million sets per year.



# Haier AC in Europe

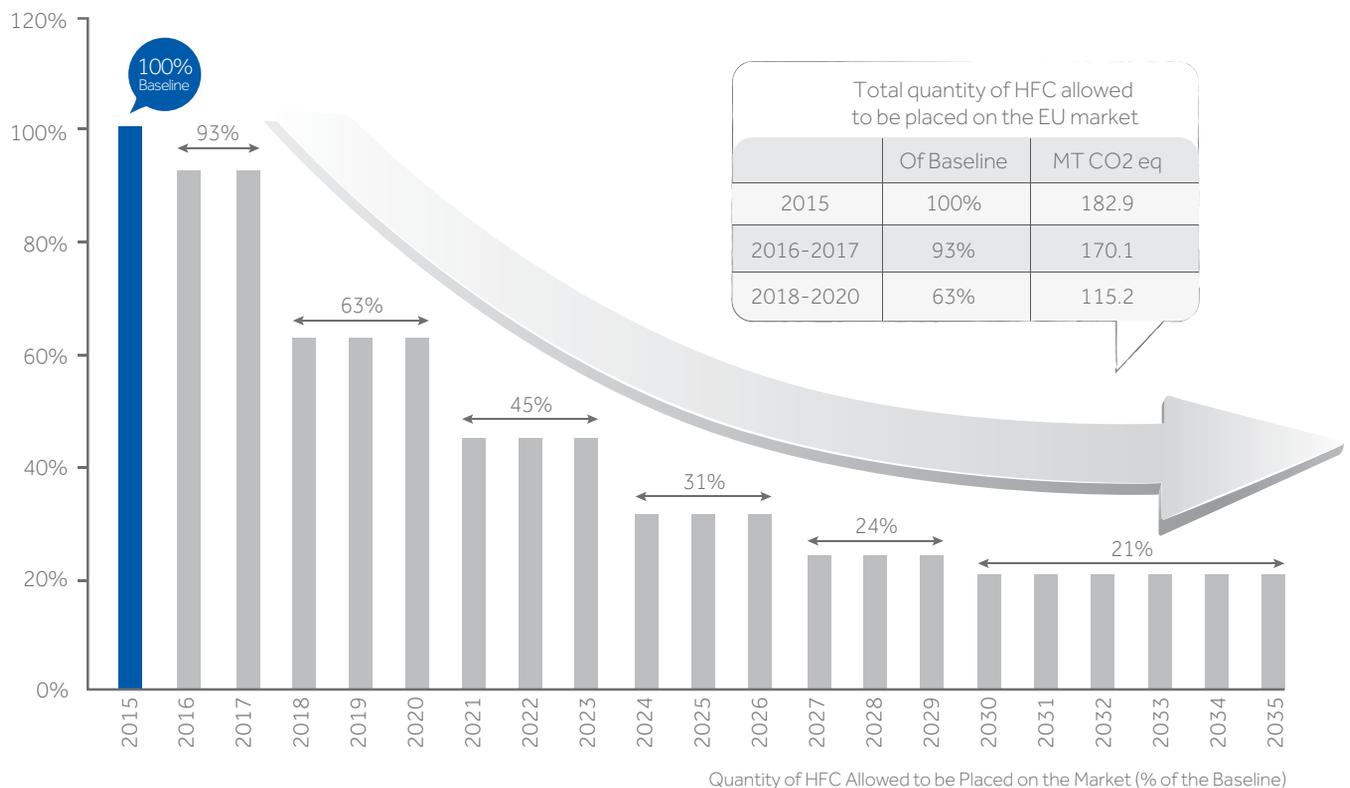
Haier air conditioning commits to offer upgrade solutions meeting the requirements of EU environment protection regulations! Preventing dangerous climate change is a key priority for the European Union, EU is working hard to improve energy efficiency and cut its greenhouse gas emissions.

## New F-gas Regulation from 2015

The original F-gas Regulation, adopted in 2006, is being replaced by a new Regulation (EU) No 517/2014 adopted in 2014 which applies from 1 January 2015. This strengthens the existing measures and introduces a number of far-reaching changes by:

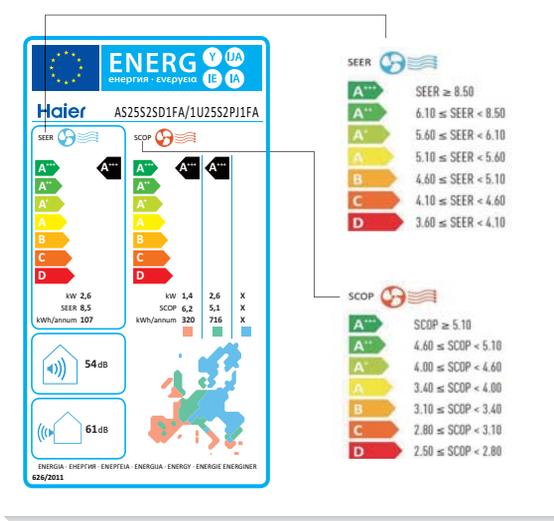


- Limiting the total amount of the most important F-gases that can be sold in the EU from 2015 onwards and phasing them down in steps to one-fifth of 2014 sales in 2030.
- Banning the use of F-gases in many new types of equipment where less harmful alternatives are widely available, such as fridges in homes or supermarkets, air conditioning and foams and aerosols;
- Preventing emissions of F-gases from existing equipment by requiring checks, proper servicing and recovery of the gases at the end of the equipment's life.



# The ERP Directive (Eco-design)

Haier AC has developed full range solutions covering all levels of energy class according to new ERP directive.



• Haier minimum energy class is leveled up to A++/A+ (9k) which is much higher than the compulsory entry level (B/A) required by the regulation.

• In 2018, Haier developing full range of R32 products reaching SCOP A+++/A++/A+ and guarantee the reliable operation in cold ambient temperature place like Nordic area.

For detailed information about ERP, please visit Haier B2B website: <http://www.haierac.com>

# Haier AC Listed in Eurovent from 2004

Haier has been committed to develop reliable AC systems with high performance, our residential ranges and light commercial ranges continue to be recommended in EUROVENT certification list as we have done in the last over 10 years, this ensures Haier products & solutions are certified as one of the best choices by the installers and users.

The figure shows a screenshot of the Eurovent website. The top navigation bar includes 'Eurovent Certification', 'News', 'Certification Programmes', and 'Certified products'. A search bar is located at the top right. Below the navigation bar, there is a 'Quick search' section with a search form. The form includes fields for 'Model', 'Brand or manufacturer' (set to 'Haier'), and 'Certificate No'. A 'Search' button is present, along with a link to '(Export to XLS format)'. Below the search form, a table lists certified products:

Trade Name (Participant)	Classification	Diploma n°	Range / Model	Cooling capacity	Heating Capacity	Efficiency (cooling) EER
HAIER (HAIER Air Conditioner General Corp.)	AC1 / A / S / R	00.01.079	AS15NS3HRA/1U15QS2ERA "NEW IT"			
HAIER (HAIER Air Conditioner General Corp.)	AC1 / A / S / R	00.01.079	AS09NS3HRA/1U09BS3ERA			
HAIER (HAIER Air Conditioner General Corp.)	AC1 / A / S / R	00.01.079	AS12NS3HRA/1U12BS3ERA			

To the right of the search form, a 'Certification Diploma N° : 17.03.211' is displayed. The diploma certifies that Eurovent Certs Certification certifies that European Heat Pumps from Haier Overseas Electric Appliances Corp. Ltd. are certified. The diploma includes the company's address in Qingdao, China, and the trade name 'HAIER'. It also mentions the standard OM-17-2016 and the approval date of 2017/03/07.

# Haier R32 Product Launching

In order to meet the F-GAS regulation and upgraded requirements of energy efficiency in EU, Haier has made considerable investment in R&D to provide full range R32 solution which has much less CO<sub>2</sub> emission. Beside, Haier air conditioners realize the lowest noise level in industry which bring outstanding experience to uses.

**Tundra Green**  
(SEER/SCOP:A++/A+)



**Flair**  
(SEER/SCOP:A+++/A+++)





**Dawn**  
(SEER/SCOP:A+++ / A+++)



**Flexis**  
(SEER/SCOP:A+++ / A++)





Haier

Whispering Air Quiet to **15dB(A)**



# Whispering Air



Whispering Air



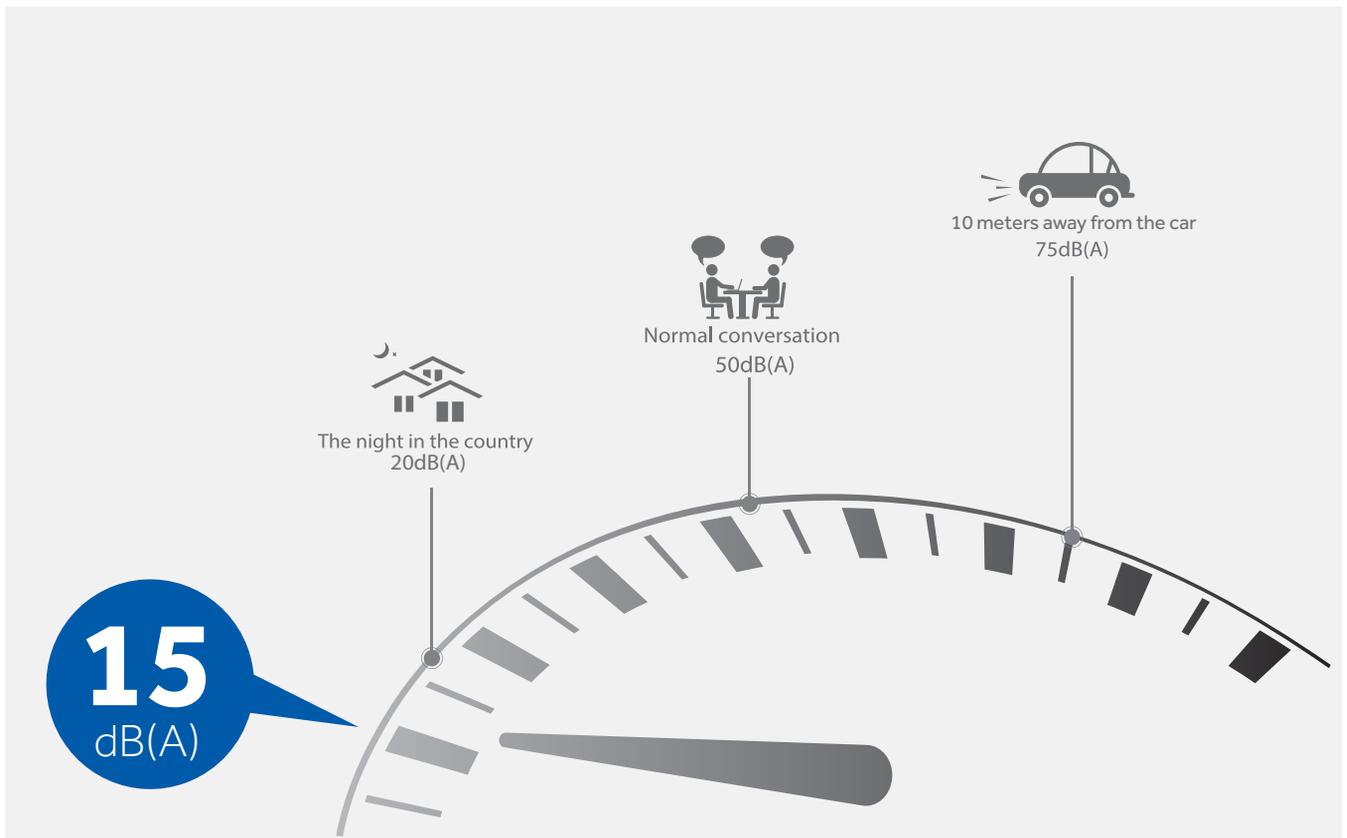
# Whispering Air



## Benefit

Enjoying whispering air [quiet to 15dB(A)] with optimized airflow system.

Disturbed by the operating noise of air conditioner? Haier air conditioning upgrades the noise control with optimized air duct and cross fan design with specialized QUIET design.



(Note: 15 dB(A) refers Dawn series 9000BTU model.)

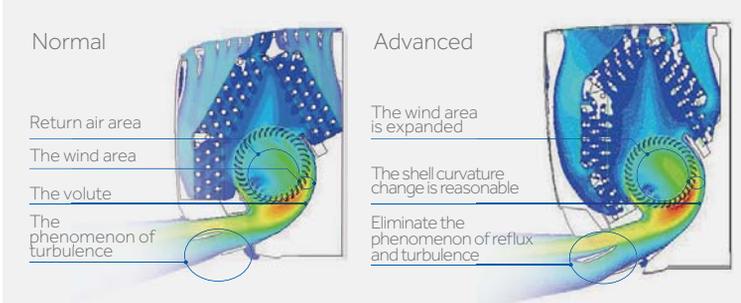


## Technology

### 1 Optimized Air Duct Design

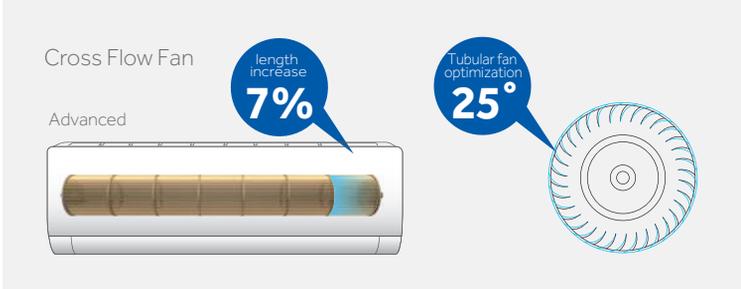
With optimized air duct, the air inlet area is enlarged by 17%. The outlet area and the space between the evaporator and front cover are also enlarged. It helps to increase the airflow and reduce the noise.

The streamline spiral casing is optimized to the return air in the front side and lower down loss at the back side so as to eliminate abnormal sound and enlarge airflow volume.



### 2 Optimized Cross Flow Fan Design

The cross flow fan is redesigned to be longer than the conventional one to increase the air volume. By optimizing the inclination angel of cross flow fan blade, the airflow surrounding the fan blade is less distorted and the fan noise is minimized.



### 3 Special Design Electronic Control System

Haier air conditioning supported by the special electronic control system, with the A-PAM DC inverter technology and DC fan motor lower the sound level of motor and provide high static pressure capability, and also reduce the sound level of the indoor unit.

(Note: For detailed data refer to 9000&12000BTU Dawn indoor unit comparing with Geos indoor unit.)



Easy Installation

Easy Use

Easy Service



# Smart Control



Smart Wi-Fi



Eco-pilot Sensor

# WiFi Control



## Benefit

### ① Easy Installation & Service

The Wi-Fi module is designed to be a plug-in USB kit, which is very easy to install and uninstall.



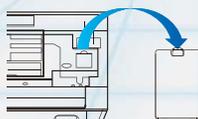
IOS



Android



1. Switch off power and open the panel



2. Remove Wi-Fi cover



3. Connect the USB Wi-Fi module



4. Put the Wi-Fi cover back and close the panel



## 2 Easy Use

1. New APP Version 2.0 "Haier Smart Air2", updated users experience.
2. New server located at Europe offer very quick response of control.
3. Functions:

**Weekly Timer**

Users can previously set the air conditioners on or off at any time on any day in one week and also can choose operating mode, set temperature and select fan speed.

**Sleep Curve**

Four typical sleeping curves are given for children, the aged, adult woman and man. End users can adjust the sleeping curve by themselves.

**Error Alarm**

Error code can be shown in the APP, which will enable service easier.

**Filter Status Detection**

Regularly remind the filter need to be cleaned and maintain fresh air to increase the efficiency of air ventilation and energy saving.

**Group Control**

End user can not only control one AC but also control group AC units.

**Convenient Control**

End users can control the air conditioners from wherever through WI-FI or 3G network.



## Eco-pilot Sensors



### Benefit

Eco-pilot Sensors detects and saves energy 67% in all the right way to make comfort and convenience.



Inverter 1U12JECERA VS On/off 1U12BY3QAA (Setting temperature:23°C with high fan speed for 3 hours)

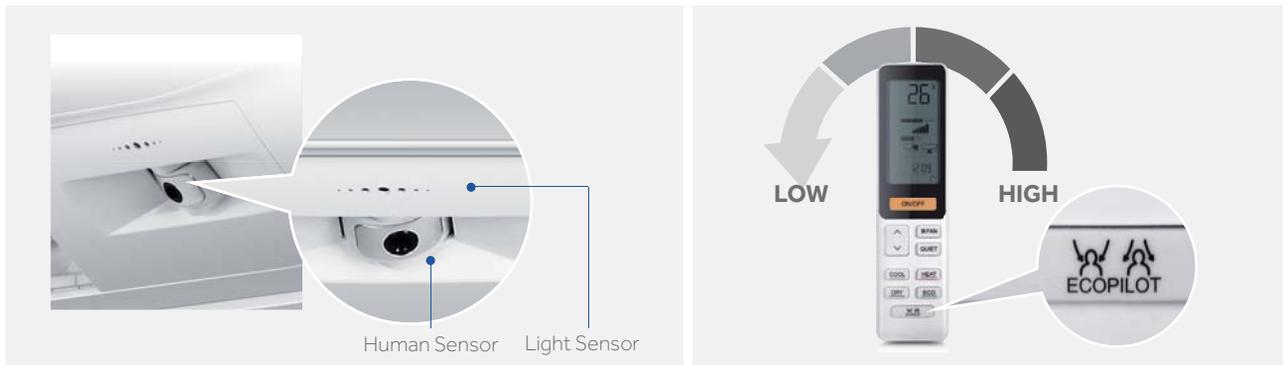


## Technology

In order to achieve energy saving and comfort, the following methods is adopted.

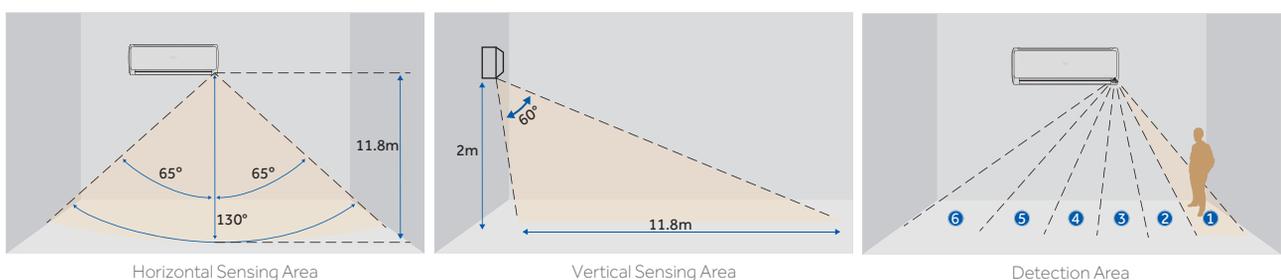
### High Performance Sensors

It can monitor the light intensity, the movement of the human, activity level, detect human, and then adjust the cooling ability to achieve energy saving.



### ① Eco-pilot Sensors—Human & Light Sensors

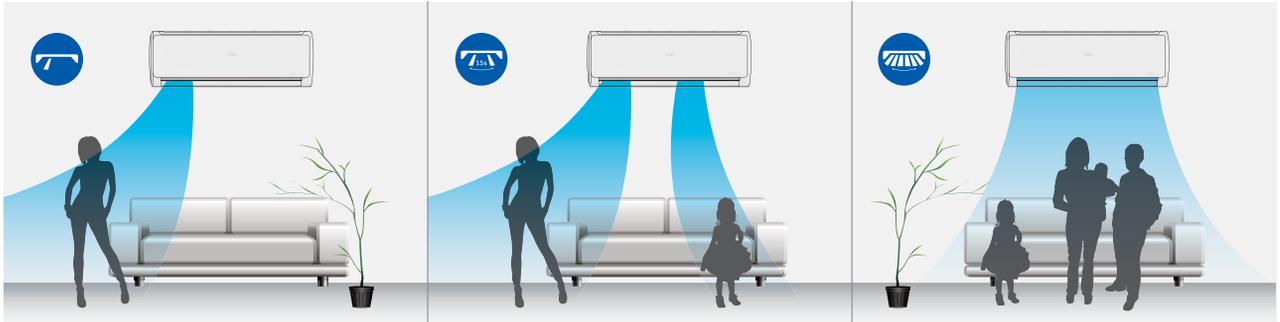
The human sensor divide the room into 6 sections. By detecting the number, location and movements of people it realizes intelligent control on the temperature and airflow. People could choose the airflow to follow or avoid their movements. Besides, light sensor detects changes in sunlight intensity in the room and enter the sleep mode automatically. In addition the temperature could be automatically adjusted to energy-saving operation according to the number of people.



## 2 Follow/Avoid

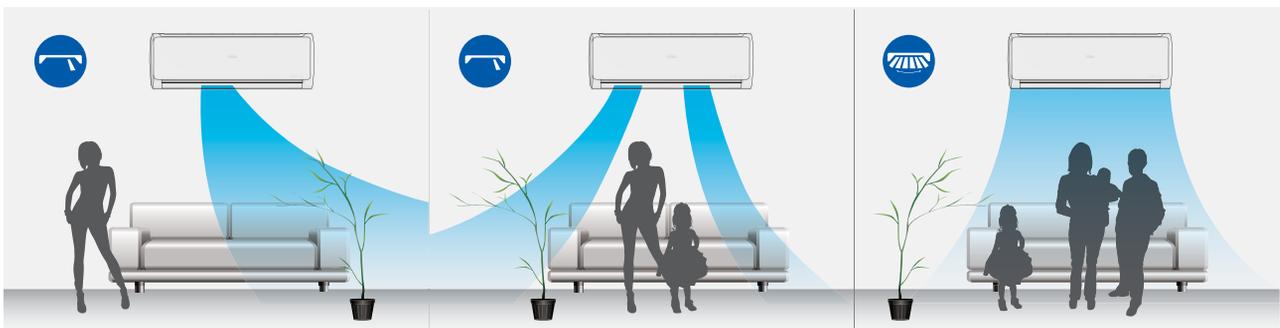
### Follow

- Person in single area: to send the wind in the area where the person is.
- Person in two areas: the louver will be alternated with two persons, stay 15 seconds for each person.
- Person in three or more areas: running every area with automatic pendulum.



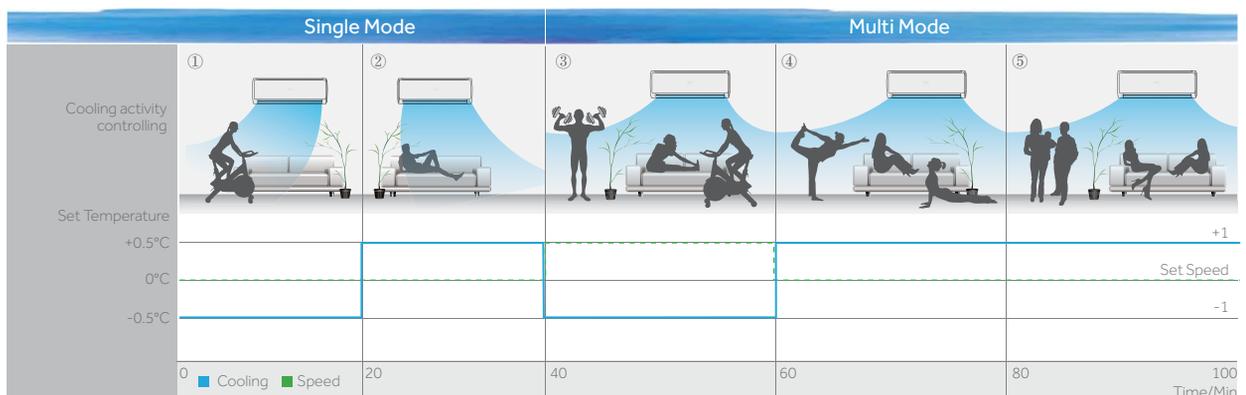
### Avoid

- Person in single area: to send the wind to the most far area by opposite side.
- Person in two areas: to send the wind to the most far area, if the persons are in the middle area, then the louver will be set to both sides.
- Person in three or more areas: running every area with automatic pendulum.



## 3 Activity Detection & Automatic Control

Cooling Activity Controlling Methodology.



#### Single User Mode:

- Average activity amount are 2, adjust 0.5 degree lower than the setting temperature, the fan speed to keep the current setting .
- Average activity amount is 1 or 0, adjust 0.5 degree higher than the setting temperature, the fan speed to keep the current setting.

#### Multi User Mode:

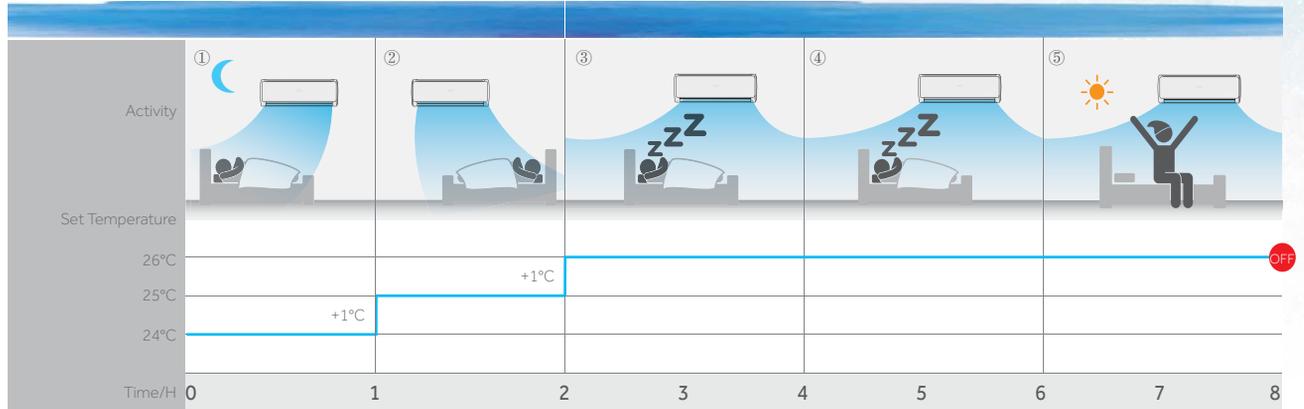
- Average activity amount are 2, adjust 0.5 degree lower than the setting temperature, fan speed setting up one level.
- Average activity amount is 1, adjust 0.5 degree higher than the setting temperature, the fan speed to keep the current setting .
- Average activity amount is 0, adjust 0.5 degree higher than the setting temperature, fan speed setting down one level.

## 4 Sunlight Detection & Automatic Control

Operates under a special program while SLEEP mode is chosen.

Waking up at midnight because feeling cold with air conditioner on? Thinking to turn off the air conditioner before going asleep to save energy? Haier air conditioning has a special program designed for the night sleep so it will become not so hot or cold at night to ensure the utmost comfort and energy saving during night sleep.

### Cooling Control Activity



## On-Off Card

This function is adopted in the building, hotel or other commercial space. By connecting with room electronic circuit system, it can realize the on-off control of air conditioner.

When people return the room, insert the room card to realize the air conditioning automatic turn on.

When people leave the room, remove the room card to realize the air conditioning automatic turn off.

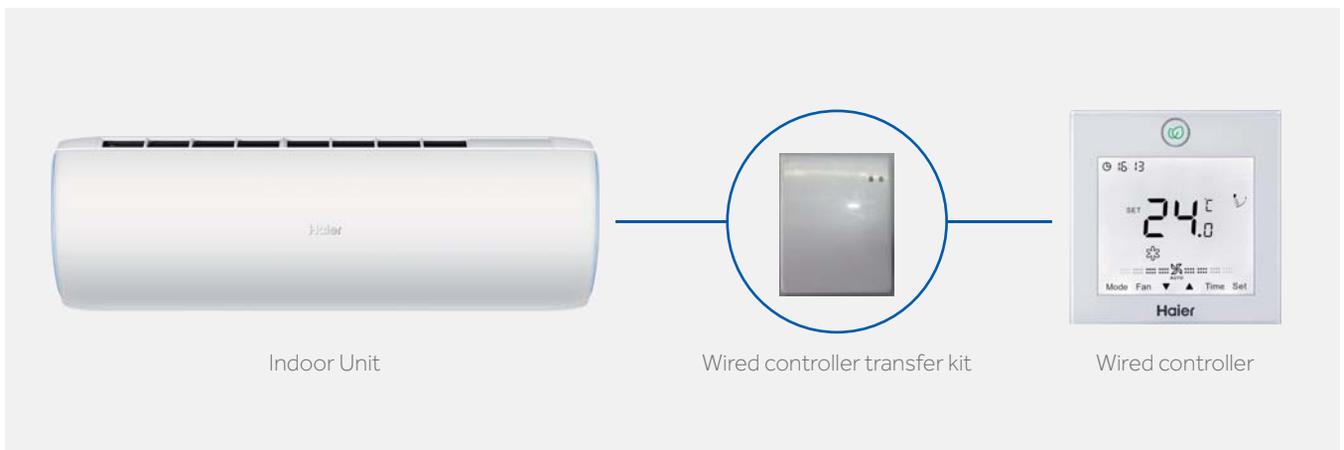


## Wired Controller Transfer Kit

The device is used to connect the indoor unit with wired controller, to realize the smart wired control.

It can realize not only the connection between single split unit and wired controller, but also the connection between multi split units and wired controllers.

The indicator light can enable the installer and user to easily adjust the connection status and operation status.



Saving **30%** Installation Time

Saving **60%** Service Time



# Easy Installation



Easy Installation



# Easy Installation

## Benefit

Advanced technology of component, system and control to make comfort easier for professional customers/users



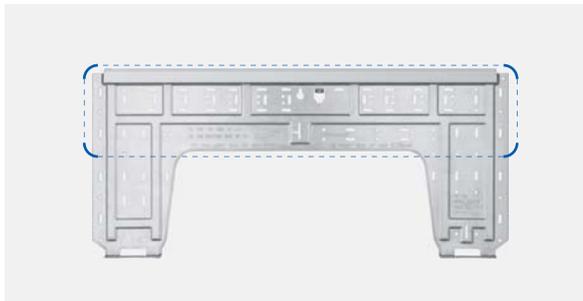
Saving  
**30%**  
Installation Time



## Technology

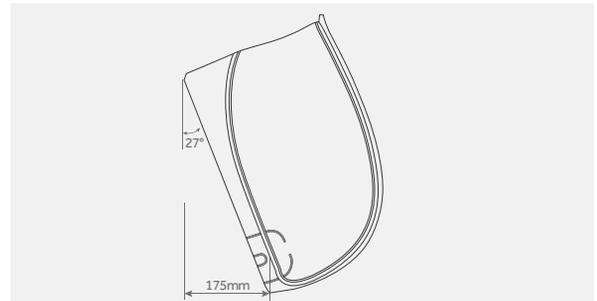
### 1 Mounting Plate Improvement

With calibration, measure and space for tape line on mounting plate, it is more convenient for quick positioning and save installation time.



### 2 Easy Support Clip

It is more convenient for installation by extending space with additional support clip, meanwhile, saving time.



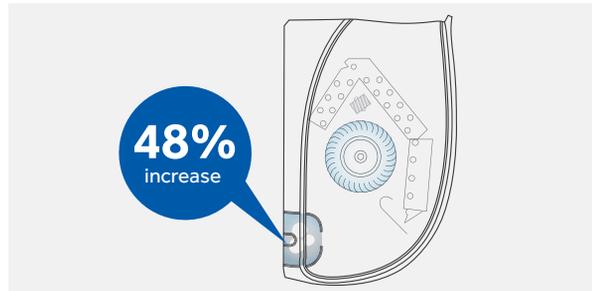
### 3 2-Way Drain Pipe

The indoor unit offers the possibility of left or right piping direction, easy for installation.



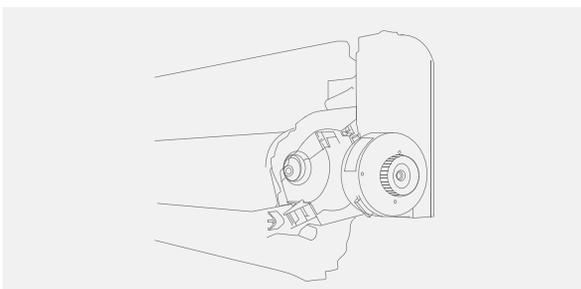
### 4 Wider Tubing Space

It is more convenient and save installation time to extend operation space for connecting pipe and wires.



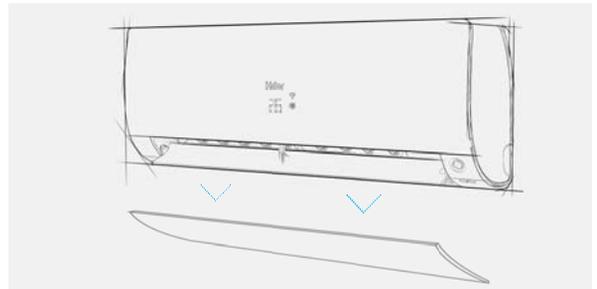
### 5 Quick & Easy Repair Motor

It can realize motor dismounting and maintenance without disassembling evaporator.



### 6 Detachable Bottom Cover

With only opening decoration plate, installers can connect piping and wires.



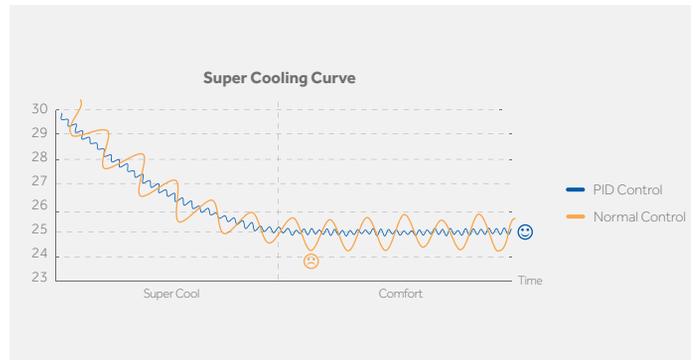
# Differentiated Function

## Energy Saving



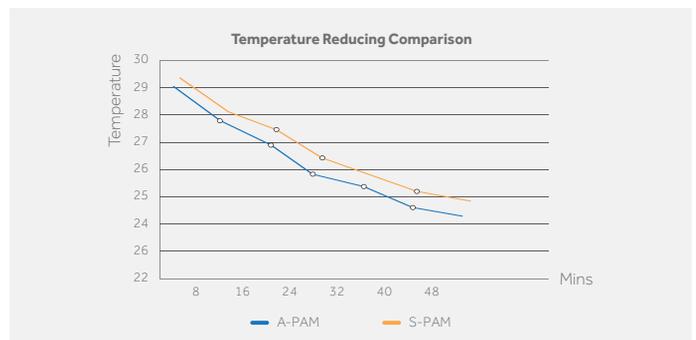
### PID Inverter Control

PID (Proportion Integration Differentiation) inverter Control realizes automatic adjustment of temperature difference variables based on the proportional integral theory. By comparison with targeted value, it corrects the response of error correction system.



### A-PAM Inverter Control

Original intelligent A-PAM (Adoption-Pulse Amplitude Modulation) voltage adjusting control technology automatically adjusts dc bus voltage based on compressor load.



### 1W Standby

Through programme control optimization, the standby power consumption has been lowered from 8W to 1W, which realizes 88% energy saving. (Wi-Fi standard, the standby power consumption >1 W)



### 3D Motor

Air conditioning motor is one of the core components, and also the energy consumption and noise components, DC motor is widely used in the air conditioner due to its high efficiency and low noise, it can provide energy saving and comfortable experience to users.

Both inside and outside unit applied DC motor, achieved high efficiency, energy saving and noise reduction via full DC motor.

#### 1 Compressor Motor



#### 2 Outdoor Motor



#### 3 Indoor Motor



# Comfort Care



## Long Distance Air Supplying

No even temperature in too big room with air conditioner? Having to be seated near to the air conditioner to enjoy the coolness or warmth? Haier air conditioner, with specially designed cross flow fan and optimized air duct, can make air supply as far as 20+ meters for 24000BTU models.



## 3D Airflow

Through horizontal and vertical movement of blades to realize the air flows upwards, downwards, left and right. Make the customer feel comfortable at every corner of the room.



## Intelligent Air

With twin air outlet blades design, according to the person's location in the following diagram, the person is able to select the direction in which the air flows out of the air conditioner, to avoid the air flow directly targeting the body.



## Comfortable Sleep

### Heating operation

In heating operation, temperature is set to be 2°C down in the 1st hour and another 2°C down in the 2nd hour, after two hours, 1°C increased then maintains 6 hours before the unit turns off.

### Cooling operation

In cooling operation, temperature is set to be 1°C up in the 1st hour and another 1°C up in the 2nd hour, then maintains 6 hours before the unit turns off.

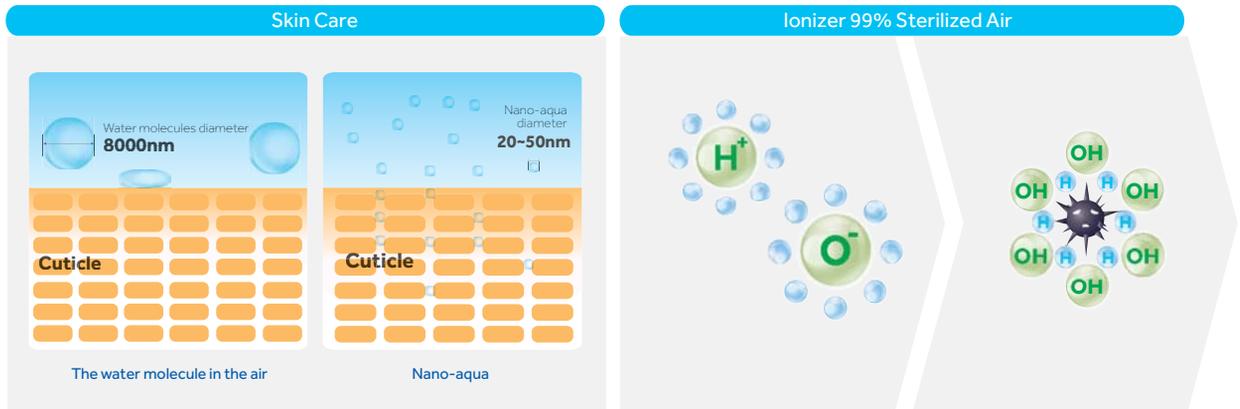


# Health Care



## Nano-aqua Ionizer

Haier unique Nano-aqua ionizer can ionize water molecules into  $H^+$  and  $O^-$  as well as small cluster of water, which can keep your skin moist and have the effect of air purification.



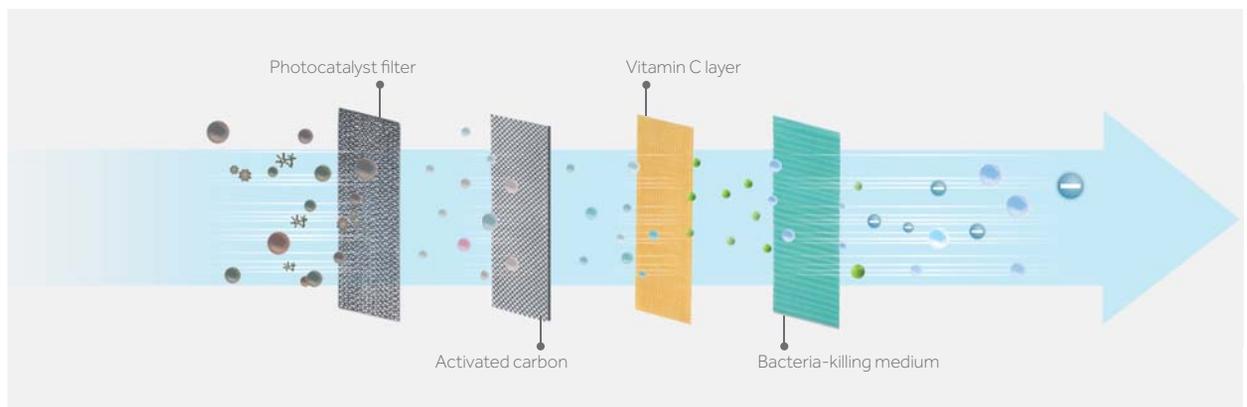
## 3M Purify Filter

Haier air conditioner with 3M purify filter system ensure that the air inside your home is free of various harmful such as hair, dust mites, pollen, fungi spores, bacteria, exhaust fumes and smoke. These 3M purify filter together capture both visible and invisible dust and other harmful microscopic substances.



## Multi-layers Filter

The filter is durable which could automatically release negative ion, and has antibacterial, deodorizing function.



# User Friendly



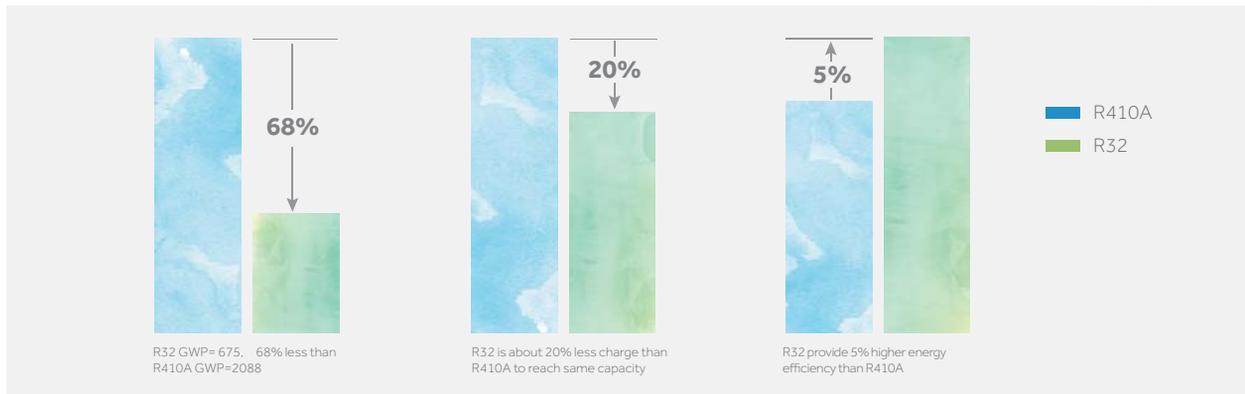
## R32 Refrigerant

R32 has a number of interesting environmental.

Compared to the commonly used refrigerant R410A, the Global Warming potential of R32 is nearly one third (GWP is 675 for R32 compared to 2088 for R410A), while it allows for a much smaller refrigerant volume and high energy efficiency.

As a single component refrigerant, R32 is also easier to recycle and reuse, which is another environmental bonus.

In addition, R32 is easy to handle for installers and service technicians as it can be charged in both liquid and gas phase and working pressures are similar to R410A. There is also no need to worry about fractionation or glide problems as R32 is not a blend refrigerant.

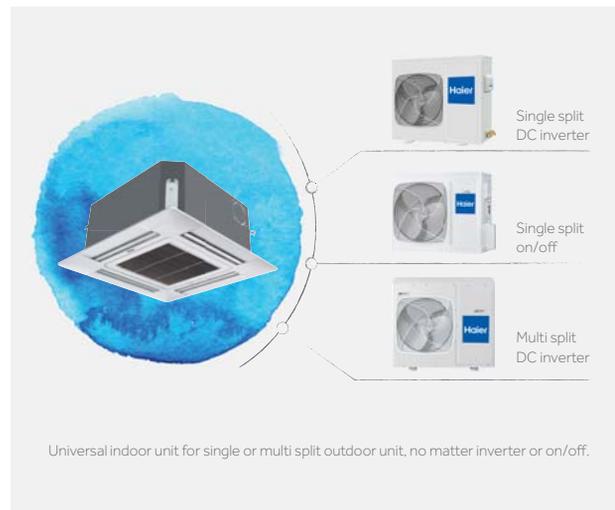


## Super Match

### 100% free combination, 51% less stock

For offices and apartments, villas and shops, Haier Air Conditioning provides total residential and light commercial solution with innovative SUPER MATCH series. Stock management is made easy. Just imagine the saving in warehouse space, spare parts and logistics that all translate into cash-flow in your balance sheets.

- 1 Greatly reduce models, spare parts, convenient for management;
- 2 Reduce storage;
- 3 Reduce operating cash flow;
- 4 Easy Combination and maintenance.



# Icon Guide

## Silent & Comfort



### Whispering Air

Optimize the noise control technology, such as frequency adjustment, fan speed control and air flue design decreasing noise level lowest to 15 dB(A). (Refer to Dawn 9k).



### Comfortable Sleep

The setting temperature and the indoor noise can be adjusted to a more comfortable level when you set the "sleep mode" during night sleep.



### 3D Airflow

The 3D airflow is able to deliver the airflow horizontally and vertically, so bring the feeling like nature wind.



### Long Distance Air Supplying

The indoor unit is improved by the optimized motor, fan and air duct so as to provide long distance airflow with 20m+ maximum. (refer to Nebula 24k).



### Intelligent Air

Airflow automatically upward when cooling or downward when heating to spread air automatically throughout the large room while without blowing directly to human body.



### Carpet Airflow

The special designed function for console blowing along with the floor level so as to provide the extreme comfort like warm carpet especially in the winter bed room.



### -30°C Heating

A special design for heating in cold winter even at -30°C with rotary compressor, DC motor, optimized bottom plate, electric heating wire and special defrosting programme etc.



### -15°C Heating

A special design for heating in cold winter even at -15°C with rotary compressor, etc.



### -15°C Cooling

A special design for cooling even at lowest ambient temperature -15°C with high frequency rotary compressor, optimized refrigerant system and special defrosting programme etc.



### -10°C Cooling

Special design for cooling even at lowest ambient temperature -10°C with high frequency rotary compressor, optimized refrigerant system and special defrosting program etc.



### Precise Temp Control 0.5°C

Can make the setting temperature by 0.5°C so to achieve more precise comfort and energy saving.



### DRY Function

When the unit working in dry mode, it can adjust the indoor fan motor speed automatically according to the temperature gap between setting temperature and room temperature so as to get mild dehumidification or strong dehumidification.



### Quiet Mode

Just press the button "turbo/quiet" on the remote controller, the air conditioner will work in quiet mode.



### 3 Minutes Protection

The 3 minutes protection of the compressor can avoid some damages to it and makes the compressor have a longer life.



### Smart Defrosting

Haier smart defrost process is only performed when needed which reduces energy waste by eliminating the unneeded defrosting process. Enjoy maximum comfort in heating operation by reducing defrosting time.



### Electrical Deicer

The outdoor bottom plate is equipped with a special designed electrical heating wire to deicer in the cold winter.



### Indoor 5 Steps Fan Speed

The indoor can be remote controlled with 5 steps of fan speed: powerful/high/middle/low/quiet, which offer more choice for you to get comfort airflow.



### Double Horizontal Flaps Airflow

With two horizontal flaps and two step motors, they can realize more positions (4 positions for cooling and 5 positions for heating) and two intelligent angle to get more comfort airflow.



### Warm Start

When the unit start working at heating mode, or change from cooling mode to heating mode, the unit will not blow or blow at super low speed in order to avoid cold air disturbance.



### Auto Vertical Airflow

With one special step motor to adjust the horizontal flaps moving vertically and automatically, it can realize 5 positions air angle, 2 intelligent air angle and total auto blowing, when the unit is switched off, the flap will close automatically.

## Smart Control



### Wi-Fi Control

Control your air conditioning system with smart phone or tablet which can connect internet.



### Eco-pilot Sensors

Automatically adjust operation frequency and modes to save energy, improve comfort and convenience by monitoring human location, movements, absence with 2 human activity sensors.



### Eco Sensor

Double human sense integrated module, double area detection, detection angle 120°(horizontal), detection distance within 8m.



### Wired Controller Transfer Kit

The indoor unit connect the wired controller by wired controller transfer kit.



### On-Off Card

Control the system with a room card in the remote place through the level signal. It is widely adopted in the building, hotel or other commercial space. Convenient for management.

## User Friendly



### Easy Support Clip

It is more convenient for installation by extending space with additional support clip, meanwhile, saving time.



### Detachable Bottom Cover

With only opening decoration plate, installers can connect piping and wires. The triangle logo on bottom of casing can help to position mounting plate.



### Easy & Quick Repair Motor

It can realize motor dismounting and maintenance without disassembling evaporator.



### 2-way Piping Design

The indoor unit offers the possibility of left and right piping direction, easy for installation.



### Super Match II+

The indoor unit offers the possibility of left and right piping direction, easy for installation.



### Double 8 Display

Simple 88 display shows clearly the indoor unit setting temperature(when setting) or room temperature(after setting).



### Auto Mode

According to the fixed temperature 26°C (under cooling)or 23°C(under heating), the unit will adjust the operation mode automatically.



### Integrative Structure Design

The optimized design integrates the bottom base, drain pan and frame casing together so as to level up product reliability and lower vibration.



### Self-diagnosis

The LED display of the indoor units will show the error code in order to make service more easier.



### Easy Clean Design

The indoor front panel is easy to wash and the air flaps are easy to detach without any special tools for quick cleaning.



### Long Life Reliable PCB

Haier PCB is tested 96 hours under hard environment temperature 85°C & moisture 85%, this test condition is more or less 10 years under normal condition.



### Auto Restart

The function permits automatic return to previous operation conditions after a sudden power break.



### Integrative Valve Cover

This valve cover is designed to cover both wiring terminal block and stop valves so as to enhance protect effect with nice design.



### Super Match

The innovative SUPERMATCH range realizes universal indoor & outdoor 100% free combination, which make management of sales, warehouse and spare parts much more easier and more efficient.



### Consealed LED Display

Special designed panel and LED display which make it possible to show the working states and functions only when the unit on while the display and frame can not be seen when unit off in order to keep indoor decoration with sense of wholeness. Of course you can cancel the display whenever you want.



### DIY Auto Mode

You can set a temperature value, with which the unit can adjust the operation mode automatically.



### Wide Voltage For Inverter

The inverter unit can start up from 150V and operate in a wide voltage range from 150V-264V.



### Blue Fin

The hydrophilic aluminum foil makes condensing water flow smoothly so guarantee the better performance with anti-corrosion effect.

## Energy Saving



### PID Inverter Control

PID Inverter Control can realize automatic adjustment of temperature difference variables based on the proportional integral theory, through comparison with targeted value, to correct the response of error correction system.



### 3D Motor

DC motor ensures more reliable operation with much higher energy saving and lower noise.



### Outdoor 6 Steps Fan Speed

The outdoor is designed with 6 steps of fan speed, the fan speed can be automatically adjusted according to the intelligent control of ambient sensor and tubing sensor so that optimize the heat exchanging effect and improve energy efficiency.



### A-PAM Inverter Control

A-PAM inverter technology is the upgrade of 180° sine wave inverter, it adopts additional momental control to decrease the vibration in the low compressor frequency and also contribute to great energy saving.



### 10°C Heating Maintenance

It is possible to set the system to switch on when indoor temp. drop below 10°C, thus avoiding pipes frozen, and provide winter protection for unoccupied summer house, garages and basements.



### Outdoor 7 Steps Fan Speed

The outdoor is designed with 7 steps of fan speed, the fan speed can be automatically adjusted according to the intelligent control of ambient sensor and tubing sensor so that optimize the heat exchanging effect and improve energy efficiency.



### 1W Standby

Through programme control optimization, the stand-by power consumption has been lowered from 8W to 1W, which realizes 88% energy saving.



### 24 Hours Timer

Use the timer function to set on, or off, or from on to off, or from off to on etc, within 24 hours.

## Health Care



### Nano-aqua Ionizer

Haier unique Aqua generator can ionize water molecules into H<sup>+</sup> and O<sub>2</sub><sup>-</sup> as well as small cluster of water, which can keep your skin moist and have the effect of air purification.



### 3M Filter

The advanced 3M purify filter employs a strong electrostatic charge on its surface to remove harmful micro-particles including dust, virus and bacteria to provide a safer, healthier indoor environment.



### Evaporator Self-cleaning

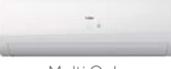
With a new-generation hydrophilic foil, when the air conditioner in cooling or drying mode, the dust on evaporator will be taken away by condensed water flowing rapidly.



### Multi-layers Filter

The filter is durable which could automatically release negative ion, and has antibacterial, deodorizing function.

# Models Line-up

		Type	Series	Refrigerant Type	Remote Controller	20	25	
R32 Models Line-up	Seasonal R32 SuperMatch		Dawn	R32		 Multi Only	 A+++/A+++	
		<b>New</b>	Flexis	R32		 Multi Only	 A+++/A+++	
		<b>New</b>	Flair	R32		 Multi Only	 A+++/A+++	
	Seasonal R32	Tundra Green	R32			 A++/A+		
		Type	Series	Refrigerant Type	Remote Controller	7	9	
R410A Models Line-up	Seasonal High		Crystal (Nordic)	R410A			 A+++/A+++	
	Seasonal SuperMatch		Nebula	R410A		 Multi Only	 A++/A+	
			Brezza	R410A		 Multi Only	 A++/A+	
			Console	R410A			 A/A	
	Seasonal Basic		Tundra	R410A			 A++/A+	
	Cabinet		Cabinet	R410A				
	Portable AC		Portable AC	R410A				



Split	Wall Mounted													
	Dawn				Flexis					Flare				
Indoor Units	20	25	35	42	20	25	35	50	71	20	25	35	50	71
2U40S2SC1FA	●	●	●		●	●	●			●	●	●		
2U50S2SF1FA	●	●	●		●	●	●			●	●	●		

35		42		50		71		Mono Outdoor		Multi Outdoor	
 A+++/A++	 Multi Only(except 1by2)									2U40S2SC1FA 2U50S2SF1FA	
 A+++/A++				 A++/A++	 A++/A+					2U40S2SC1FA 2U50S2SF1FA	
 A+++/A++				 A++/A++	 A++/A+					2U40S2SC1FA 2U50S2SF1FA	
 A++/A+				 A++/A+	 A++/A+						
12		15		18		24		Mono Outdoor		Multi Outdoor	
 A++/A+											
 A++/A+	 A++/A+	 A++/A+	 A++/A+								
 A++/A+	 A++/A+	 A++/A+	 A++/A+							2U14CS4ERA 2U18FS2ERA(S)	
 A/A											
 A++/A+				 A++/A+	 A++/A					2U18FS2ERA(S)	
							 A++/A+				



Split	Wall Mounted												Floor	
	Nebula						Brezza						Console	
	7	9	12	15	18	24	7	9	12	15	18	24	9	12
Indoor Units														
2U14CS4ERA	●	●	●				●	●	●				●	●
2U18FS2ERA(S)	●	●	●				●	●	●				●	●

Note: More Multi models see the CAC catalogue.

# Benefits

Series	Capacity	Smart Control					Energy Saving						
		WiFi Control	Eco-pilot Sensors	Eco Sensors	Wired Controller Transfer Kit	On-Off Card	PID Inverter Control	A-PAM Inverter Control	180° Sine Wave DC Inverter	1W Standby	10°C Heating Maintenance	3D Motor	24 Hours Timer
Dawn	20	●	●		○	○		●		●	●	●	●
	25	●	●		○	○		●		●	●	●	●
	35	●	●		○	○		●		●	●	●	●
	42	●	●		○	○		●		●	●	●	●
Flexis	20	○		●	○	○	●			●	●	●	●
	25	○		●	○	○	●			●	●	●	●
	35	○		●	○	○	●			●	●	●	●
	50	○		●	○	○	●			●	●	●	●
	71	○		●	○	○	●			●	●	●	●
Flair	20	○			○	○	●			●		●	●
	25	○			○	○	●			●		●	●
	35	○			○	○	●			●		●	●
	50	○			○	○	●			●		●	●
	71	○			○	○	●			●		●	●
Tundra Green	25	○			○	○	●			●			●
	35	○			○	○	●			●			●
	50	○			○	○	●			●		●	●
	68	○			○	○	●			●		●	●
Crystal	9	●				○		●			●	●	●
	12	●				○		●			●	●	●
Nebula	7	●			○	○		●			●	●	●
	9	●			○	○		●			●	●	●
	12	●			○	○		●			●	●	●
	15	●			○	○		●			●	●	●
	18	●			○	○		●			●	●	●
	24	●			○	○		●			●	●	●
Brezza	7	○			○	○		●				●	●
	9	○			○	○		●				●	●
	12	○			○	○		●				●	●
	15	○			○	○		●				●	●
	18	○			○	○		●				●	●
	24	○			○	○		●				●	●
Console	9							●				●	●
	12							●				●	●
Tundra	9					○	●			●			●
	12					○	●			●			●
	18					○		●			●		●
	24					○		●		●		●	●
Cabinet	24	●						●			●	●	●



# Benefits

Series	Capacity	Health Care								
		Nano-aqua	3M Filter	Negative Ion	Evaporator Self-cleaning	Exquisite Dust Filter	Multi-layers Filter	Easy Support Clip	Detachable Bottom Cover	Easy & Quick Repair motor
Dawn	20		●		●	●		●	●	●
	25		●		●	●		●	●	●
	35		●		●	●		●	●	●
	42		●		●	●		●	●	●
Flexis	20		○		●	●		●	●	●
	25		○		●	●		●	●	●
	35		○		●	●		●	●	●
	50		○		●	●		●	●	●
	71		○		●	●		●	●	●
Flair	20				●	●		●		●
	25				●	●		●		●
	35				●	●		●		●
	50				●	●		●		●
	71				●	●		●		●
Tundra Green	25				●	●	○	●		●
	35				●	●	○	●		●
	50				●	●	○	●		●
	68				●	●	○	●		●
Crystal	9	●			●	●		●		
	12	●			●	●		●		
Nebula	7	●			●	●	○	●		●
	9	●			●	●	○	●		●
	12	●			●	●	○	●		●
	15	●			●	●	○	●		●
	18	●			●	●	○	●		●
	24	●			●	●	○	●		●
Brezza	7				●	●	○	●		●
	9				●	●	○	●		●
	12				●	●	○	●		●
	15				●	●	○	●		●
	18				●	●	○	●		●
	24				●	●	○	●		●
Console	9				●	●				
	12				●	●				
Tundra	9				●	●	○	●		
	12				●	●	○	●		
	18				●	●	○	●		
	24				●	●	○	●		
Cabinet	24			●	●					





Haier

# Whispering Air

## Seasonal Green R32



Dawn Series



Flexis Series



Flair Series



Tundra Green Series

## Seasonal Nordic



Crystal Series (for Nordic)

## Seasonal Super Match



Nebula Series



Brezza Series

## Seasonal Basic



Tundra Series



# Dawn

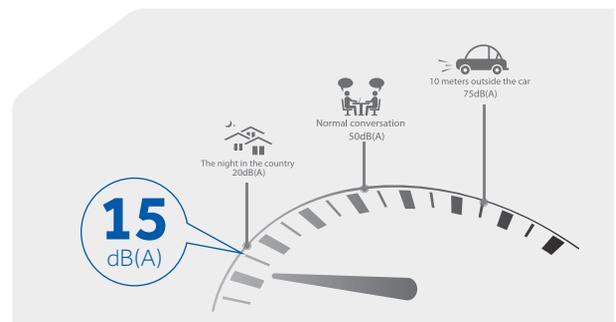
A+++ / A+++

Whispering Air Quiet to **15dB(A)**



## Whispering Air

Optimize the noise control technology, such as the compressor frequency adjustment, fan speed control and air flue design decreasing the noise level even lowest to 15dB(A) with the specialized QUIET setting. (refer to 9k)



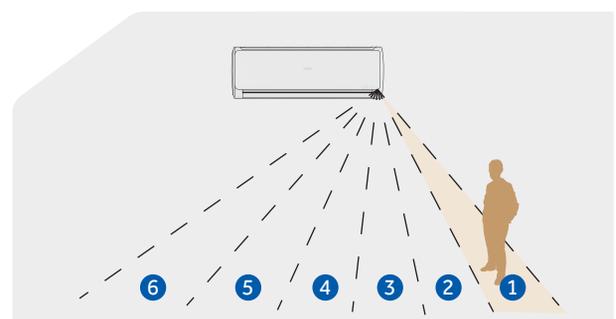
## Wi-Fi Control

Control your air conditioning system with smart phone or tablet, which can connect internet.



## Eco-pilot Sensors

Ecopilot detects and reduces energy waste in all the right ways. Intelligent sensors detect potential waste of energy by using the human activity sensor and sunlight sensor. It is able to monitor human location, movements, absence and sunlight intensity. It then automatically adjusts cooling power to save energy efficiently with uninterrupted heating and cooling comfort and convenience.



## Key Features



Whispering Air



Wi-Fi control



Eco-pilot Sensors



3M Purify Filter



Easy Installation

## Features

- 3D Airflow
- Easy Support Clip
- Detachable Bottom Cover
- Easy & Quick Repair Motor
- 2-way Piping Design



AS20S2SD1FA AS25S2SD1FA AS35S2SD1FA AS42S2SD1FA



Outdoor



Remote Controller



USB Wi-Fi



Wired Controller

Model	Indoor		AS20S2SD1FA	AS25S2SD1FA	AS35S2SD1FA	AS42S2SD1FA
	Outdoor			1U25S2PJ1FA	1U35S2PJ1FA	
Cooling Capacity	Nominal (Min.-Max.)	Btu/h	Multi Connection Only	8870(3410-11940)	11940(4090-14670)	Multi Connection Only (except 1by2)
	Nominal (Min.-Max.)	kW		2.6(1.0-3.5)	3.5(1.2-4.3)	
Energy efficiency(average climate)	SEER/EER	Energy Saving		8.50/4.00	8.50/4.00	
Energy class - Cooling				A+++	A+++	
Cooling Pdesign capacity(35°C)		kW		2.6	3.5	
Power input - Cooling	Nominal (Min.-Max.)	kW		0.65(0.3-1.2)	0.875(0.37-1.3)	
Annual energy consumption - Cooling		kWh/a		107	144	
	Nominal (Min.-Max.)	Btu/h		10920(3750-18430)	14330(4440-19790)	
Heating Capacity	Heating @ -7°C	Btu/h		8020	10070	
	Nominal (Min.-Max.)	kW		3.2(1.1-5.4)	4.2(1.3-5.8)	
Energy efficiency	Heating @ -7°C	kW	2.35	2.95		
	SCOP/COP(Average climate)	Energy Saving	5.10/4.00	4.60/4.00		
Energy class - Heating	SCOP/Warm/Cold climate)		6.25/-	5.60/-		
Heating Pdesign capacity (-10°C)	Average/warm/cold		A+++ / A+++/-	A+++ / A+++/-		
Power input - Heating	Nominal (Min.-Max.)	kW	2.6	3.2		
Annual energy consumption - Heating		kWh/a	0.80(0.48-1.60)	1.05(0.55-1.80)		
Operating limits (cooling)	Min.-Max.	°C	716	973		
Operating limits (heating)	Min.-Max.	°C	21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)		
Power supply	Ph/V/Hz		10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)		
Power supply (position)			1/230/50	1/230/50		
40HFCL (set)	*just for reference		outdoor	outdoor		
			174	174		
<b>Indoor</b>						
Net dimension	W/D/H	mm	980/212/318	980/212/318	980/212/318	980/212/318
Package dimension	W/D/H	mm	1059/289/407	1059/289/407	1059/289/407	1059/289/407
Net/Shipping weight		kg	-	11.8/15.2	11.8/15.2	-
Air flow(cooling/heating)	Max.	m³/h	-	650	700	-
Sound power level	Cooling (Hi)	dB	-	54	56	-
	Heating (Hi)	dB	-	54	56	-
Sound pressure level	Cooling (Hi/Mid/Lo/So)	dB(A)	-	34/29/25/15	35/30/26/16	-
	Heating (Hi/Mid/Lo/So)	dB(A)	-	34/29/25/15	35/30/26/16	-
Moisture removal		10 <sup>-3</sup> m³/h	-	1.2	1.6	-
<b>Outdoor</b>						
Compressor				Hitachi	Hitachi	
Net dimension	W/D/H	mm		820/338/614	820/338/614	
Package dimension	W/D/H	mm		963/413/685	963/413/685	
Net/Shipping weight		kg		37.4/41.1	37.4/41.1	
Air flow(cooling/heating)	Max.	m³/h		2100	2100	
Sound power level	Hi	dB		61	62	
Sound pressure level	Hi	dB(A)		45	46	
Running current	Max.	A		7.1	8.0	
Refrigerant type				R32	R32	
Refrigerant charge		g		950	950	
Refrigerant pipe	Liquid side diameter	mm / inch		6.35	6.35	
	Gas side diameter	mm / inch		9.52	9.52	
	Max. pipe length/height	m		15/10	15/10	
	Max. pipe length without additional charge	m		7	7	
	additional charge	g/m		20	20	

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB, Cooling Outdoor 35°C DB / 24°C WB, Heating Indoor 20°C DB, Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb)  
For detailed information about ErP, please visit our page <http://www.haier.com/ecodesign>.



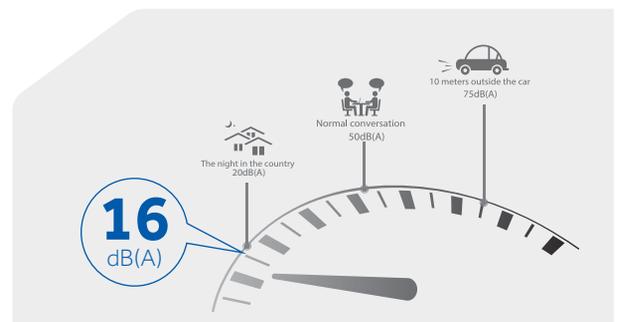
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Whispering Air Quiet to **16dB(A)**



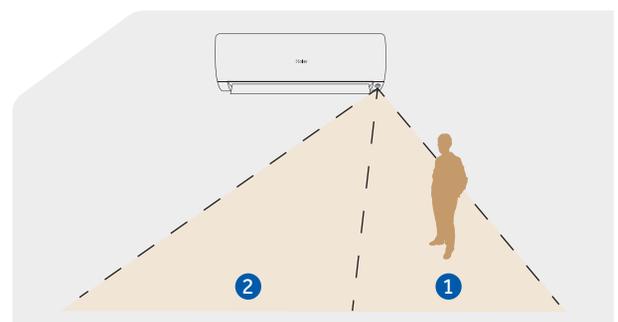
### Whispering Air

Optimize the noise control technology, such as the compressor frequency adjustment, fan speed control and air flue design decreasing the noise level even lowest to 16dB(A) with the specialized QUIET setting. (refer to 9k)



### Eco Sensor

Double human sense integrated module, double area detection, detection angle 120°(horizontal), detection distance within 8m.



### Easy Installation

Advanced technology of component, system and control to make comfort easier for professional customers/users.



## Key Features



Whispering Air



Eco Sensor



Easy Installation



Wi-Fi control (Optional)



3M Purify Filter (Optional)

## Features

- 3D Airflow
- Easy Support Clip
- Detachable Bottom Cover
- Easy & Quick Repair Motor
- 2-way Piping Design



AS20S2SF1FA  
AS71S2SF1FA

AS25S2SF1FA

AS35S2SF1FA

AS50S2SF1FA



Outdoor



Remote Controller



USB Wi-Fi



Wired Controller

Model	Indoor		AS20S2SF1FA	AS25S2SF1FA	AS35S2SF1FA	AS50S2SF1FA	AS71S2SF1FA
	Outdoor		1U25S2SM1FA	1U35S2SM1FA	1U50S2SJ2FA		
Cooling Capacity	Nominal (Min.-Max.)	Btu/h		8870(2730-10920)	11940(3410-13650)	17740 (4770-23890)	23890 (7510-25600)
	Nominal (Min.-Max.)	kW		2.6(0.8-3.2)	3.5(1.0-4.0)	5.2 (1.4-7.0)	7.0 (2.2-7.5)
Energy efficiency(average climate)	SEER/EER	Energy Saving		8.5/4.00	8.5/4.00	7.2/3.68	7.1/3.23
Energy class - Cooling				A+++	A+++	A++	A++
Cooling Pdesign capacity(35°C)		kW		2.6	3.5	5.2	7
Power input - Cooling	Nominal (Min.-Max.)	kW		0.65(0.2-1.5)	0.88(0.3-1.5)	1.41(0.5-2.0)	2.18 (0.7-2.9)
Annual energy consumption - Cooling		kWh/a		107	144	246	345
	Nominal (Min.-Max.)	Btu/h		10920(2730-14330)	14330(3410-17740)	20470 (4770-23540)	27300 (8190-29000)
Heating Capacity	Heating @ -7°C	Btu/h		7200	8395	13790	16790
	Nominal (Min.-Max.)	kW		3.2(0.8-4.2)	4.2(1.0-5.2)	6.0 (1.4-6.9)	8.0 (2.4-8.5)
Energy efficiency	Heating @ -7°C	kW		2.11	2.46	4.04	4.92
	SCOP/COP(Average climate)	Energy Saving		4.60/4.00	4.60/3.81	4.60/4.00	4.00/3.71
Energy class - Heating	SCOP/Warm/Cold climate)			5.50/-	5.50/-	5.60/-	5.40/-
Heating Pdesign capacity (-10°C)	Average/warm/cold			A++/A+++/-	A++/A+++/-	A++/A+++/-	A+/A+++/-
Power input - Heating	Nominal (Min.-Max.)	kW		2.4	2.8	4.6	5.6
Annual energy consumption - Heating		kWh/a		0.8(0.3-1.6)	1.1(0.5-1.6)	1.61 (0.52-2.35)	2.156 (0.7-2.9)
Operating limits (cooling)	Min.-Max.	°C		730	856	1399	1959
Operating limits (heating)	Min.-Max.	°C		21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)
Power supply	Ph/V/Hz			10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)
Power supply (position)				1/230/50	1/230/50	1/230/50	1/230/50
40HFCL (set)	*just for reference			outdoor	outdoor	outdoor	outdoor
Indoor				204	204	162	132
Net dimension	W/D/H	mm	866/196/301	866/196/301	866/196/301	1009/223/327	1126/230/337
Package dimension	W/D/H	mm	952/283/389	952/283/389	952/283/389	1085/296/405	1187/301/417
Net/Shipping weight		kg	-	9.5/12	9.5/12	11.9/14.9	15.2/18.2
Air flow(cooling/heating)	Max.	m³/h	-	600	650	900	1100
Sound power level	Cooling (Hi)	dB	-	53	55	57	60
	Heating (Hi)	dB	-	53	55	57	60
Sound pressure level	Cooling (Hi/Mid/Lo/So)	dB(A)	-	38/32/25/16	39/33/26/17	41/37/33/28	47/43/37/30
	Heating (Hi/Mid/Lo/So)	dB(A)	-	38/32/25/19	39/33/26/20	41/37/33/28	47/43/37/30
Moisture removal		10 <sup>-3</sup> m³/h	-	1.2	1.6	2	2.8
Outdoor							
Compressor				Panasonic	Hitachi	Mitsubishi	Mitsubishi
Net dimension	W/D/H	mm		800/280/550	800/280/550	820/338/614	860/308/730
Package dimension	W/D/H	mm		954/409/625	954/409/625	963/413/685	995/420/815
Net/Shipping weight		kg		29/31.5	31.5/34	37.8/41.5	49/52
Air flow(cooling/heating)	Max.	m³/h		1600	1800	2500	3000
Sound power level	Hi	dB		59	61	63	70
Sound pressure level	Hi	dB(A)		47	48	51	57
Running current	Max.	A		7.2	7.2	10.9	13
Refrigerant type				R32	R32	R32	R32
Refrigerant charge		g		650	940	950	1300
Refrigerant pipe	Liquid side diameter	mm / inch		6.35	6.35	6.35	9.52
	Gas side diameter	mm / inch		9.52	9.52	12.7	15.88
	Max. pipe length/height	m		15/10	15/10	25/15	25/15
	Max. pipe length without additional charge	m		7	7	7	7
	additional charge	g/m		20	20	20	50

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB, Cooling Outdoor 35°C DB / 24°C WB, Heating Indoor 20°C DB, Heating Outdoor 7°C DB / 6°C WB, (DB: Dry Bulb; WB: Wet Bulb)  
For detailed information about ErP, please visit our page <http://www.haier.com/ecodesign>.



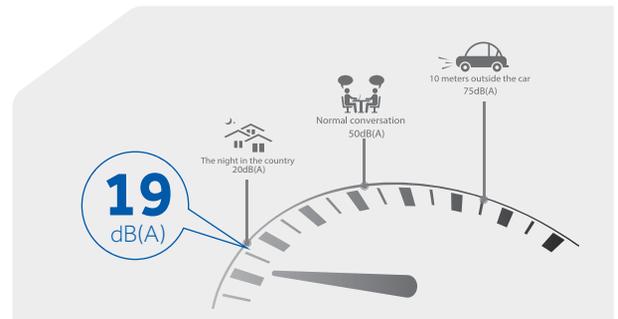
A+++ / A++

Whispering Air Quiet to **19dB(A)**



### Whispering Air

Optimize the noise control technology, such as the compressor frequency adjustment, fan speed control and air flue design decreasing the noise level even lowest to 19dB(A) with the specialized QUIET setting. (refer to 9k)



### Easy Installation

Advanced technology of component, system and control to make comfort easier for professional customers/users.



### Wi-Fi Control (Optional)

Control your air conditioning system with smart phone or tablet, which can connect internet.



## Key Features



Whispering Air



Easy Installation



Wi-Fi control  
(Optional)



3D Airflow



On-Off Card

## Features

- Comfortable Sleep
- Easy Support Clip
- Easy & Quick Repair Motor
- 2-way Piping Design



AS20S2SF2FA  
AS71S2SF2FA

AS25S2SF2FA

AS35S2SF2FA

AS50S2SF2FA



Outdoor



Remote Controller



USB Wi-Fi



Wired Controller

Model	Indoor		AS20S2SF2FA		AS25S2SF2FA		AS35S2SF2FA		AS50S2SF2FA		AS71S2SF2FA	
		Outdoor			1U25S2SM1FA	1U35S2SM1FA	1U50S2S1J2FA					
Cooling Capacity	Nominal (Min.-Max.)	Btu/h	-	Multi Connection Only	8870(2730-10920)	11940(3410-13650)	17740 (4770-23890)	23890 (7510-25600)				
	Nominal (Min.-Max.)	kW			2.6(0.8-3.2)	3.5(1.0-4.0)	5.2 (1.4-7.0)	7.0 (2.2-7.5)				
Energy efficiency(average climate)	SEER/EER	Energy Saving										
Energy class - Cooling												
Cooling Pdesign capacity(35°C)		kW										
Power input - Cooling	Nominal (Min.-Max.)	kW										
Annual energy consumption - Cooling		kWh/a										
Heating Capacity	Nominal (Min.-Max.)	Btu/h										
	Heating @ -7°C	Btu/h										
	Nominal (Min.-Max.)	kW										
	Heating @ -7°C	kW										
Energy efficiency	SCOP/COP(Average climate)	Energy Saving										
	SCOP(Warm/Cold climate)											
Energy class - Heating	Average/warm/cold											
Heating Pdesign capacity (-10°C)		kW										
Power input - Heating	Nominal (Min.-Max.)	kW										
Annual energy consumption - Heating		kWh/a										
Operating limits (cooling)	Min.-Max.	°C										
Operating limits (heating)	Min.-Max.	°C										
Power supply	Ph/V/Hz											
Power supply (position)												
40HFCL (set)	*just for reference											
<b>Indoor</b>												
Net dimension	W/D/H	mm	866/196/301	870/196/301	870/196/301	1009/223/327	1126/230/337					
Package dimension	W/D/H	mm	952/283/389	952/283/389	952/283/389	1085/296/405	1187/301/417					
Net/Shipping weight		kg	-	9.5/12	9.5/12	11.9/14.9	15.2/18.2					
Air flow(cooling/heating)	Max.	m³/h	-	600	650	900	1100					
Sound power level	Cooling (Hi)	dB	-	53	55	57	60					
	Heating (Hi)	dB	-	53	55	57	60					
Sound pressure level	Cooling (Hi/Mid/L0/So)	dB(A)	-	38/32/25/19	39/33/26/22	41/37/33/31	47/43/37/33					
	Heating (Hi/Mid/L0/So)	dB(A)	-	38/32/25/19	39/33/26/22	41/37/33/31	47/43/37/33					
Moisture removal		10³m³/h	-	1.2	1.6	2	2.8					
<b>Outdoor</b>												
Compressor				Panasonic	Hitachi	Mitsubishi	Mitsubishi					
Net dimension	W/D/H	mm		800/280/550	800/280/550	820/338/614	860/308/730					
Package dimension	W/D/H	mm		954/409/625	954/409/625	963/413/685	995/420/815					
Net/Shipping weight		kg		29/31.5	31.5/34	37.8/41.5	49/52					
Air flow(cooling/heating)	Max.	m³/h		1600	1800	2500	3000					
Sound power level	Hi	dB		59	61	63	70					
Sound pressure level	Hi	dB(A)		47	48	51	57					
Running current	Max.	A		7.2	7.2	10.9	13					
Refrigerant type				R32	R32	R32	R32					
Refrigerant charge	R410A/R32	g		650	940	950	1300					
	Liquid side diameter	mm / inch		6.35	6.35	6.35	9.52					
Refrigerant pipe	Gas side diameter	mm / inch		9.52	9.52	12.7	15.88					
	Max. pipe length/height	m		15/10	15/10	25/15	25/15					
	Max. pipe length without additional charge	m		7	7	7	7					
	additional charge	g/m		20	20	20	50					

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB, Cooling Outdoor 35°C DB / 24°C WB, Heating Indoor 20°C DB, Heating Outdoor 7°C DB / 6°C WB, (DB: Dry Bulb; WB: Wet Bulb)  
For detailed information about ERP, please visit our page <http://www.haier.com/ecodesign>.



# Tundra Green

A++/A+

Whispering Air Quiet to **20dB(A)**



## Whispering Air

Optimize the noise control technology, such as the compressor frequency adjustment, fan speed control and air flue design decreasing the noise level even lowest to 20dB(A) with the specialized QUIET setting. (refer to 9k)



## Intelligent Air

Airflow automatically upward when cooling or downward when heating to spread air automatically throughout the large room while without blowing directly to human body.



## Comfortable Sleep

The setting temperature and the indoor noise can be adjusted to a more comfortable level when you set the "sleep mode" during night sleep.



## Key Features



Whispering Air



Wi-Fi Control  
(Optional)



Intelligent Air



Comfortable Sleep



On-off Card

## Features

- -15°C Heating
- Easy Support Clip
- Easy & Quick Repair Motor
- 2-way Piping Design



AS25TABHRA

AS35TABHRA

AS50TDBHRA

AS68TEBHRA



Outdoor



Remote Controller



USB Wi-Fi



Wired Controller

Model		Indoor Outdoor	AS25TABHRA	AS35TABHRA	AS50TDBHRA	AS68TEBHRA
			1U25BEFFRA	1U35BEFFRA	1U50JEFFRA	1U68REFFRA
Cooling Capacity	Nominal (Min.-Max.)	Btu/h	8870(2730-11600)	12280(3410-14330)	17740(4430-23200)	23880(7500-29000)
	Nominal (Min.-Max.)	kW	2.6(0.8-3.4)	3.6(1.0-4.2)	5.2(1.3-6.8)	7.0(2.2-8.5)
Energy Efficiency(average climate)	SEER/EER	Energy Saving	6.20/3.23	6.80/3.23	6.80/3.23	7.10/3.23
Energy Class - Cooling			A++	A++	A++	A++
Cooling Pdesign Capacity(35°C)		kW	2.6	3.6	5.2	7.0
Power Input - Cooling	Nominal (Min.-Max.)	kW	0.80(0.30-1.20)	1.11(0.30-1.60)	1.61(0.40-2.00)	2.16(0.70-2.90)
Annual Energy Consumption - Cooling		kWh/a	147	186	268	350
Heating Capacity	Nominal (Min.-Max.)	Btu/h	11600(3410-15690)	14330(3750-18420)	20470(4770-23540)	27640(8190-34120)
	Heating @ -7°C	Btu/h	7510	9890	16040	17060
	Nominal (Min.-Max.)	kW	3.4(1.0-4.6)	4.2(1.1-5.4)	6.0(1.4-6.9)	8.1(2.4-10.0)
	Heating @ -7°C	kW	2.2	2.9	4.7	5.0
Energy Efficiency	SCOP/COP(Average climate)	Energy Saving	4.00/3.71	4.00/3.71	4.00/3.71	4.00/3.71
	SCOP(Warm/Cold climate)		4.90/-	4.60/-	5.30/-	5.30/-
Energy Class - Heating	Average/warm/cold		A+/A++/-	A+/A+++/-	A+/A+++/-	A+/A+++/-
Heating Pdesign Capacity (-10°C)		kW	2.4	3.2	5.2	5.6
Power Input - Heating	Nominal (Min.-Max.)	kW	0.91(0.30-1.50)	1.13(0.40-1.60)	1.61(0.52-2.35)	2.18(0.70-2.90)
Annual Energy Consumption - Heating		kWh/a	839	1123	1819	1963
Operating limits (cooling)	Min.-Max.	°C	21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)
Operating limits (heating)	Min.-Max.	°C	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)
Power Supply	Ph/V/Hz		1/230/50	1/230/50	1/230/50	1/230/50
Power Supply (position)			outdoor	outdoor	outdoor	outdoor
40H FCL (set)	*just for reference		230	230	158	125
<b>Indoor</b>						
Net Dimension	W/D/H	mm	820/195/280	820/195/280	1008/225/318	1125/240/335
Package Dimension	W/D/H	mm	909/279/355	909/279/355	1085/329/403	1206/342/418
Net/Shipping Weight		kg	8.8/11	8.8/11	11.6/14.4	14/17.5
Air Flow(cooling/heating)	Max.	m³/h	500	550	1000	1200
Sound Power Level	Cooling (Hi)	dB	52	54	57	60
	Heating (Hi)	dB	53	55	58	61
Sound Pressure Level	Cooling (Hi/Mid/Lo/So)	dB(A)	35/32/28/20	36/33/29/21	44/40/35/28	47/43/37/30
	Heating (Hi/Mid/Lo/So)	dB(A)	36/33/29/21	37/34/30/22	45/41/36/29	48/44/38/31
Moisture Removal		10 <sup>-3</sup> m³/h	1.2	1.6	2.0	2.8
<b>Outdoor</b>						
Compressor			Panasonic	Mitsubishi	Mitsubishi	Mitsubishi
Net Dimension	W/D/H	mm	780/245/540	780/245/540	820/338/614	890/353/697
Package Dimension	W/D/H	mm	920/351/620	920/351/620	963/413/685	1046/460/780
Net/Shipping Weight		kg	27/30	28/31	37.8/41.5	51/56
Air Flow(cooling/heating)	Max.	m³/h	1900	1900	2500	2900
Sound Power Level	Hi	dB	60/61	61/62	63/64	65/66
Sound Pressure Level	Hi	dB(A)	46/47	46/47	51/52	52/53
Running Current	Max.	A	6.7	7.1	10.6	13
Refrigerant Type			R32	R32	R32	R32
Refrigerant Charge	R410A/R32	g	700	720	950	1200
Refrigerant Pipe	Liquid side diameter	mm / inch	6.35	6.35	6.35	6.35
	Gas side diameter	mm / inch	12.7	9.52	12.7	12.7
	Max. pipe length/height	m	15/10	15/10	25/15	25/15
	Max. pipe length without additional charge	m	7	7	7	7
	additional charge	g/m	20	20	20	20

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb)  
For detailed information about ERP, please visit our page <http://www.haier.com/ecodesign>.

# Crystal (For Nordic)

A+++ / A++

Whispering Air Quiet to **19dB(A)**



## Whispering Air

Optimize the noise control technology, such as the compressor frequency adjustment, fan speed control and air flue design decreasing the noise level even lowest to 19dB(A) with the specialized QUIET setting. (refer to 9k)



## Wi-Fi Control

Control your air conditioning system with smart phone or tablet, which can connect internet.



## -30 °C Heating

A special design for heating in cold winter even at -30°C ,with double-rotor compressor, DC motor ,optimized bottom plate ,and special automatic defrosting programme .etc .



## Freeze-prevention Technology

Special designed outdoor unit bottom plate with freeze-prevention heater and rows of drain holes ,to prevent the system operation stoppage due to drain water freezing .



## Compressor Preheating Technology

Special designed compressor preheating programme ,to ensure the preheating for normal start-up in extreme cold climate for Nordic market .

## Key Features



Whispering Air



Wi-Fi control



Nano-aqua



A-PAM  
Inverter Control



3D Airflow

## Features

- -30°C Heating
- -10°C Cooling
- 10°C Heating Maintenance
- Comfortable Sleep
- Electrical Deicer



AS09CB2HRA AS12CB2HRA



Outdoor



Remote Controller

Model	Indoor		AS09CB2HRA	AS12CB2HRA
	Outdoor		1U09JE7ERA	1U12JE7ERA
Cooling Capacity	Nominal (Min.-Max.)	Btu/h	8870(2730-11940)	12280(4430-14670)
	Nominal (Min.-Max.)	kW	2.6(0.8-3.5)	3.6(1.3-4.3)
Energy efficiency(average climate)	SEER/EER	Energy Saving	8.50/4.00	7.40/3.80
Energy class - Cooling			A+++	A++
Cooling Pdesign capacity(35°C)		kW	2.6	3.6
Power input - Cooling	Nominal (Min.-Max.)	kW	0.65 (0.19-0.95)	0.95 (0.34-1.7)
Annual energy consumption - Cooling		kWh/a	107	170
Heating Capacity	Nominal (Min.-Max.)	Btu/h	10920(3410-20470)	14330(4780-22180)
	Heating @ -7°C	Btu/h	7850	9550
	Nominal (Min.-Max.)	kW	3.2(1.0-6.0)	4.2(1.4-6.5)
	Heating @ -7°C	kW	2.3	2.8
Energy efficiency	SCOP/COPI(Average climate)	Energy Saving	4.60/4.00	4.40/3.50
	SCOP(Warm/Cold climate)		5.50/3.60	5.30/3.40
Energy class - Heating	Average/warm/cold		A++/A+++/A	A+/A+++/A
Heating Pdesign capacity (-10°C)		kW	2.6	3.2
Power input - Heating	Nominal (Min.-Max.)	kW	0.8(0.25-2.5)	1.2 (0.4-2.7)
Annual energy consumption - Heating		kWh/a	791	1020
Operating limits (cooling)	Min.-Max.	°C	21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)
Operating limits (heating)	Min.-Max.	°C	10-27°C(in)/-30-24°C(out)	10-27°C(in)/-30-24°C(out)
Power supply	Ph/V/Hz		1/230/50	1/230/50
Power supply (position)			outdoor	outdoor
40H FCL (set)	*just for reference		155	155
<b>Indoor</b>				
Net dimension	W/D/H	mm	907/198/309	907/198/309
Package dimension	W/D/H	mm	1015/290/413	1015/290/413
Net/Shipping weight		kg	11.5/14.5	11.5/14.5
Air flow(cooling/heating)	Max.	m³/h	600	650
Sound power level	Cooling (Hi)	dB	52	54
	Heating (Hi)	dB	52	54
Sound pressure level	Cooling (Hi/Mid/L0/So)	dB(A)	37/32/28/19	38/34/30/21
	Heating (Hi/Mid/L0/So)	dB(A)	37/32/28/19	38/34/30/21
Moisture removal		10³m³/h	1.2	1.6
<b>Outdoor</b>				
Compressor			Mitsubishi	Mitsubishi
Net dimension	W/D/H	mm	820/338/614	820/338/614
Package dimension	W/D/H	mm	992/415/770	992/415/770
Net/Shipping weight		kg	40/44	40/44
Air flow(cooling/heating)	Max.	m³/h	2200	2200
Sound power level	Hi	dB	63	64
Sound pressure level	Hi	dB(A)	52	53
Running current	Max.	A	11	12
Refrigerant type	R410A/R32		R410A	R410A
Refrigerant charge	R410A/R32	g	1450	1460
	Liquid side diameter	mm / inch	6.35	6.35
Refrigerant pipe	Gas side diameter	mm / inch	9.52	9.52
	Max. pipe length/height	m	15/10	15/10
	Max. pipe length without additional charge	m	7	7
	additional charge	g/m	20	20

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb)  
For detailed information about ErP, please visit our page <http://www.haier.com/ecodesign>.



# Nebula

A++/A+

Whispering Air Quiet to **20dB(A)**



## Whispering Air

Optimize the noise control technology, such as the compressor frequency adjustment, fan speed control and air flue design decreasing the noise level even lowest to 20dB(A) with the specialized QUIET setting. (refer to 9k)



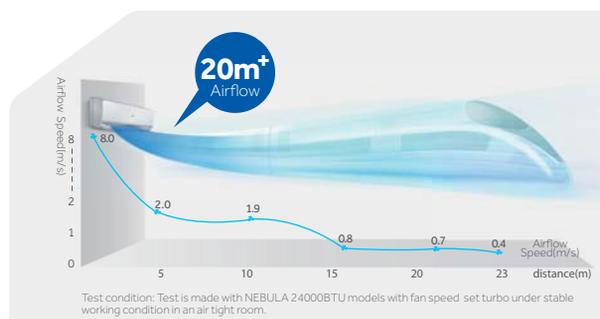
## Wi-Fi Control

Control your air conditioning system with smart phone or tablet, which can connect internet.



## Long Distance Air Supplying

The indoor unit is improved by the optimized motor, fan and air flue so as to provide long distance airflow with 20m+ maximum. (refer to 24K).



## Key Features



Whispering Air



Wi-Fi control



Long Distance Air Supplying



Nano-aqua



3D Airflow

## Features

- 15°C Heating
- 10°C Cooling
- Easy Support Clip
- Wired Controller Transfer Kit
- Auto Horizontal Airflow (One Motor)



AS07NS1HRA AS09NS1HRA AS12NS1HRA AS15NS1HRA  
AS18NS1HRA AS24NS1HRA



Outdoor Remote Controller USB Wi-Fi Wired Controller

Model		Indoor		AS07NS1HRA-WU AS07NS1HRA-GU		AS09NS1HRA-WU AS09NS1HRA-GU		AS12NS1HRA-WU AS12NS1HRA-GU		AS15NS1HRA-WU AS15NS1HRA-GU		AS18NS1HRA-WU AS18NS1HRA-GU		AS24NS1HRA-WU AS24NS1HRA-GU	
		Outdoor		1U09BS3ERA		1U12BS3ERA		1U15BS3ERA		1U18FS2ERA(S)		1U24GS1ERA			
Cooling Capacity	Nominal (Min.-Max.)	Btu/h		9210(2730-11600)	12290(3410-14330)	15010(4430-17060)	17740(4440-23200)	23890(7500-29010)							
	Nominal (Min.-Max.)	kW		2.7 (0.8-3.4)	3.6(1.0-4.2)	4.4(1.3-5.0)	5.2(1.3-6.8)	7.0(2.2-8.5)							
Energy efficiency(average climate)	SEER/EER	Energy Saving		6.40/3.80	6.10/3.60	6.90/3.8	6.20/3.40	6.10/3.21							
Energy class - Cooling				A++	A++	A++	A++	A++							
Cooling Pdesign capacity(35°C)		kW		2.7	3.6	4.4	5.2	7							
Power input - Cooling	Nominal (Min.-Max.)	kW		0.71(0.35-1.30)	1.00(0.37-1.35)	1.16(0.41-1.9)	1.53(0.4-2.25)	2.18(0.45-2.65)							
Annual energy consumption - Cooling		kWh/a		148	207	223	293	401							
Heating Capacity	Nominal (Min.-Max.)	Btu/h		9560(3420-15700)	12630(3750-18430)	18430(4780-20480)	19790(4770-23550)	25600(8190-33460)							
	Heating @ -7°C	Btu/h		7350	9900	12000	15700	17060							
	Nominal (Min.-Max.)	kW	Multi	2.8(1.0-4.6)	3.7(1.1-5.4)	5.4(1.7-6.0)	5.8(1.4-6.9)	7.5(2.4-9.8)							
	Heating @ -7°C	kW	Connection	2.2	2.9	3.5	4.6	5.0							
Energy efficiency	SCOP/COPI(Average climate)	Energy Saving	Only	4.00/4.10	4.00/3.90	4.20/4.00	4.00/3.41	4.00/3.41							
	SCOP(Warm/Cold climate)			4.32/-	4.31/-	4.32/-	4.30/-	4.30/-							
Energy class - Heating	Average/warm/cold			A+/A+/-	A+/A+/-	A+/A+/-	A+/A+/-	A+/A+/-							
Heating Pdesign capacity (-10°C)		kW		2.4	3.2	4	5.2	5.6							
Power input - Heating	Nominal (Min.-Max.)	kW		0.68(0.36-1.30)	0.95(0.38-1.40)	1.35(0.42-2.2)	1.70(0.41-2.35)	2.20(0.48-2.95)							
Annual energy consumption - Heating		kWh/a		830	1114	1333	1832	1979							
Operating limits (cooling)	Min.-Max.	°C		21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)							
Operating limits (heating)	Min.-Max.	°C		10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)							
Power supply	Ph/V/Hz			1/230/50	1/230/50	1/230/50	1/230/50	1/230/50							
Power supply (position)				outdoor	outdoor	outdoor	outdoor	outdoor							
40H FCL (set)	*just for reference			240	240	188	160	132							
<b>Indoor</b>															
Net dimension	W/D/H	mm		855/200/280	855/200/280	855/200/280	900/210/310	997/230/322	1115/243/336						
Package dimension	W/D/H	mm		954/279/355	954/279/355	954/279/355	991/313/399	1085/329/403	1206/342/418						
Net/Shipping weight		kg		10/12.2	10/12.2	10/12.2	10.8/13.6	13/16	15.6/19.0						
Air flow(cooling/heating)	Max.	m³/h		600	650	700	900	1200							
Sound power level	Cooling (Hi)	dB		55	54	55	57	62							
	Heating (Hi)	dB		56	55	56	58	63							
Sound pressure level	Cooling (Hi/Mid/Lo/So)	dB(A)		38/33/26/20	39/34/27/23	43/39/33/25	44/40/35/28	47/43/37/30							
	Heating (Hi/Mid/Lo/So)	dB(A)		39/33/26/23	40/34/27/24	44/39/33/25	45/40/35/33	48/44/38/36							
Moisture removal		10³·m³/h		1.2	1.6	1.8	2	2.8							
<b>Outdoor</b>															
Compressor				Panasonic	Panasonic	Mitsubishi	Mitsubishi	Mitsubishi							
Net dimension	W/D/H	mm		780/245/540	780/245/540	780/290/597	810/288/688	860/308/730							
Package dimension	W/D/H	mm		920/351/620	920/351/620	923/393/680	949/406/760	995/420/813							
Net/Shipping weight		kg		28.4/31.4	30.4/33.4	36.5/40	43/47	49/52							
Air flow(cooling/heating)	Max.	m³/h		1900	1700	2100	2200	2900							
Sound power level	Hi	dB		61/62	62/63	63/64	63/64	67/68							
Sound pressure level	Hi	dB(A)		48/52	50/53	52/53	52/54	54/56							
Running current	Max.	A		5.8	6.4	8.6	10.2	13.1							
Refrigerant type	R410A/R32			R410A	R410A	R410A	R410A	R410A							
Refrigerant charge	R410A/R32	g		750	1000	1100	1300	1600							
	Liquid side diameter	mm / inch		6.35	6.35	6.35	6.35	9.52							
	Gas side diameter	mm / inch		9.52	9.52	9.52	12.7	15.88							
	Max. pipe length/height	m		15/10	15/10	15/10	25/15	25/15							
	Max. pipe length without additional charge	m		7	7	7	10	10							
additional charge	g/m		20	20	20	20	50								

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB, Cooling Outdoor 35°C DB / 24°C WB, Heating Indoor 20°C DB, Heating Outdoor 7°C DB / 6°C WB.(DB: Dry Bulb; WB: Wet Bulb)  
For detailed information about ERP, please visit our page <http://www.haier.com/ecodesign>.

# Brezza

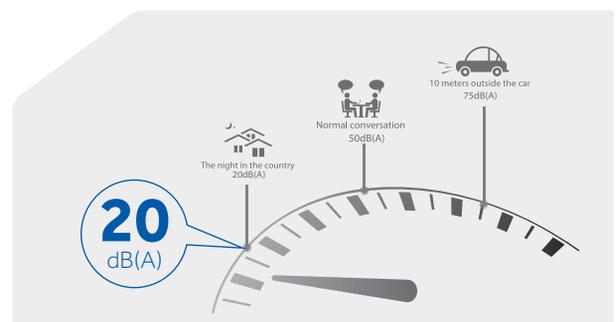
A++/A+

Whispering Air Quiet to **20dB(A)**



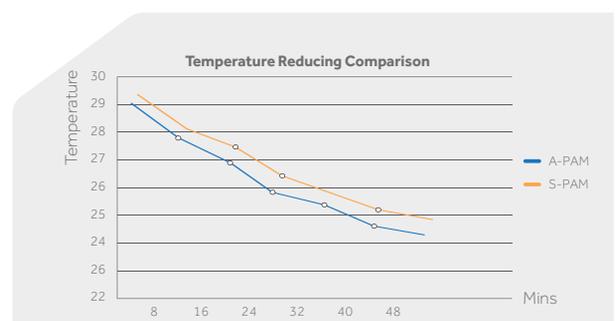
## Whispering Air

Optimize the noise control technology, such as the compressor frequency adjustment, fan speed control and air flue design decreasing the noise level even lowest to 20dB(A) with the specialized QUIET setting. (refer to 9k)



## A-PAM Inverter Control

A-PAM inverter technology is the upgrade of 180° sine wave inverter, it adopts additional momental control to decrease the vibration in the low compressor frequency and also contribute to great energy saving.



## Intelligent Air

Airflow automatically upward when cooling or downward when heating to spread air automatically throughout the large room while without blowing directly to human body.



## Key Features



Whispering Air



A-PAM  
Inverter Control



Intelligent Air



-15°C Heating



-10°C Cooling

## Features

- Easy Support Clip
- Wired Controller Transfer Kit
- 2-way Piping Design
- Super Match



AS07BS4HRA  
AS18BS4HRA

AS09BS4HRA  
AS24BS4HRA

AS12BS4HRA

AS15BS4HRA



Outdoor



Remote Controller



USB Wi-Fi



Wired Controller

Model		Indoor Outdoor	AS07BS4HRA	AS09BS4HRA	AS12BS4HRA	AS15BS4HRA	AS18BS4HRA	AS24BS4HRA
			1U09BS3ERA	1U12BS3ERA	1U15BS3ERA	1U18FS2ERA(S)	1U24GS1ERA	
Cooling Capacity	Nominal (Min.-Max.)	Btu/h		9210(2730-11600)	12290(3420-14330)	15010(4430-17060)	17740(4440-23200)	23890(7500-29010)
	Nominal (Min.-Max.)	kW		2.7 (0.8-3.4)	3.6(1.0-4.2)	4.4(1.3-5.0)	5.2(1.3-6.8)	7.0(2.2-8.5)
Energy efficiency(average climate)	SEER/EER	Energy Saving		6.40/3.80	6.10/3.60	6.90/3.8	6.20/3.40	6.10/3.21
Energy class - Cooling				A++	A++	A++	A++	A++
Cooling Pdesign capacity(35°C)		kW		2.7	3.6	4.4	5.2	7.00
Power input - Cooling	Nominal (Min.-Max.)	kW		0.71(0.35-1.30)	1.00(0.37-1.35)	1.16(0.41-1.9)	1.53(0.4-2.25)	2.18(0.45-2.65)
Annual energy consumption - Cooling		kWh/a		148	207	223	293	401
Heating Capacity	Nominal (Min.-Max.)	Btu/h		9560(3420-15700)	12630(3750-18430)	18430(4780-20480)	19790(4770-23550)	25600(8190-33460)
	Heating @ -7°C	Btu/h		7350	9900	12000	15700	17060
	Nominal (Min.-Max.)	kW		2.8(1.0-4.6)	3.7(1.1-5.4)	5.4(1.7-6.0)	5.8(1.4-6.9)	7.5(2.4-9.8)
	Heating @ -7°C	kW		2.2	2.9	3.5	4.6	5.0
Energy efficiency	SCOP/COP(Average climate)	Energy Saving		4.00/4.10	4.00/3.90	4.20/4.00	4.00/3.41	4.00/3.41
	SCOP(Warm/Cold climate)			4.32/-	4.31/-	4.32/-	4.30/-	4.30/-
Energy class - Heating	Average/warm/cold			A+/A+/-	A+/A+/-	A+/A+/-	A+/A+/-	A+/A+/-
Heating Pdesign capacity (-10°C)		kW		2.4	3.2	4.0	5.2	5.6
Power input - Heating	Nominal (Min.-Max.)	kW		0.68(0.36-1.30)	0.95(0.38-1.40)	1.35(0.42-2.2)	1.70(0.41-2.35)	2.20(0.48-2.95)
Annual energy consumption - Heating		kWh/a		830	1114	1333	1832	1979
Operating limits (cooling)	Min.-Max.	°C		21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)	21-35°C(in)/-10-43°C(out)
Operating limits (heating)	Min.-Max.	°C		10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)
Power supply	Ph/V/Hz			1/230/50	1/230/50	1/230/50	1/230/50	1/230/50
Power supply (position)				outdoor	outdoor	outdoor	outdoor	outdoor
40H FCL (set)	*just for reference			240	240	188	160	132
<b>Indoor</b>								
Net dimension	W/D/H	mm	855/200/280	855/200/280	855/200/280	900/210/310	997/230/322	1115/243/336
Package dimension	W/D/H	mm	954/279/355	954/279/355	954/279/355	991/313/399	1085/329/403	1206/342/418
Net/Shipping weight		kg	-	10/12.2	10/12.2	10.8/13.6	13/16	15.6/19.0
Air flow(cooling/heating)	Max.	m³/h	-	600	650	700	900	1200
Sound power level	Cooling (Hi)	dB	-	52	54	55	57	62
	Heating (Hi)	dB	-	53	55	56	58	63
Sound pressure level	Cooling (Hi/Mid/Lo/So)	dB(A)	-	38/33/26/20	39/34/27/23	43/39/33/25	44/40/35/28	47/43/37/30
	Heating (Hi/Mid/Lo/So)	dB(A)	-	39/33/26/23	40/34/27/24	44/39/33/25	45/40/35/33	48/44/38/36
Moisture removal		10³m³/h	-	1.2	1.6	1.8	2	2.8
<b>Outdoor</b>								
Compressor				Panasonic	Panasonic	Mitsubishi	Mitsubishi	Mitsubishi
Net dimension	W/D/H	mm		780/245/540	780/245/540	780/290/597	810/288/688	860/308/730
Package dimension	W/D/H	mm		920/351/620	920/351/620	923/393/680	949/406/760	995/420/813
Net/Shipping weight		kg		28.4/31.4	30.4/33.4	36.5/40	43/47	49/52
Air flow(cooling/heating)	Max.	m³/h		1900	1700	2100	2200	2900
Sound power level	Hi	dB		61/62	62/63	63/64	63/64	67/68
Sound pressure level	Hi	dB(A)		48/52	50/53	52/53	52/54	54/56
Running current	Max.	A		5.8	6.4	8.6	10.2	13.1
Refrigerant type				R410A	R410A	R410A	R410A	R410A
Refrigerant charge		g		750	1000	1100	1300	1600
Refrigerant pipe	Liquid side diameter	mm / inch		6.35	6.35	6.35	6.35	9.52
	Gas side diameter	mm / inch		9.52	9.52	9.52	12.7	15.88
	Max. pipe length/height	m		15/10	15/10	15/10	25/15	25/15
	Max. pipe length without additional charge	m		7	7	7	10	10
	additional charge	g/m		20	20	20	20	50

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB, Cooling Outdoor 35°C DB / 24°C WB, Heating Indoor 20°C DB, Heating Outdoor 7°C DB / 6°C WB, (DB: Dry Bulb; WB: Wet Bulb)  
For detailed information about ERP, please visit our page <http://www.haier.com/ecodesign>.

# Tundra

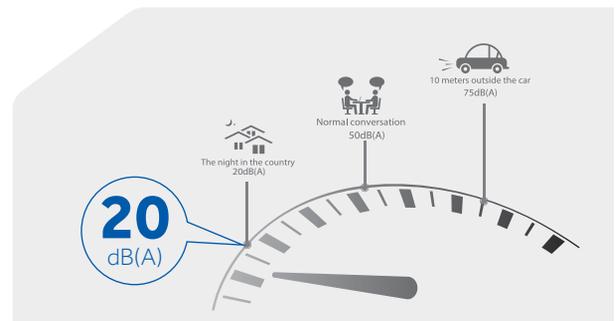
A++/A+

Whispering Air Quiet to **20dB(A)**



## Whispering Air

Optimize the noise control technology, such as the compressor frequency adjustment, fan speed control and air flue design decreasing the noise level even lowest to 20dB(A) with the specialized QUIET setting. (refer to 9k)



## Intelligent Air

Airflow automatically upward when cooling or downward when heating to spread air automatically throughout the large room while without blowing directly to human body.



## Comfortable Sleep

The setting temperature and the indoor noise can be adjusted to a more comfortable level when you set the "sleep mode" during night sleep.



## Key Features



Whispering Air



Intelligent Air



Comfortable Sleep



-15°C Heating



Easy Support Clip

## Features

- Easy & Quick Repair Motor
- 2-way Piping Design



AS09TA2HRA

AS12TA2HRA

AS18TD2HRA

AS24TD2HRA



Outdoor



Remote Controller

Model		Indoor Outdoor	AS09TA2HRA	AS12TA2HRA	AS18TD2HRA	AS24TD2HRA
			1U09BE8ERA	1U12BE8ERA	1U18EE8ERA	1U24RE8ERA
Cooling Capacity	Nominal (Min.-Max.)	Btu/h	8870(3410-11950)	12280(3410-14000)	17060(4100-21500)	22520(6820-27640)
	Nominal (Min.-Max.)	kW	2.6(1.00-3.50)	3.6(1.00-4.10)	5.0(1.20-6.30)	6.6(2.00-8.10)
Energy efficiency(average climate)	SEER/EER	Energy Saving	6.20/3.21	6.10/2.81	6.20/3.24	6.20/3.01
Energy class - Cooling			A++	A++	A++	A++
Cooling Pdesign capacity(35°C)		kW	2.60	3.60	5.00	6.60
Power input - Cooling	Nominal (Min.-Max.)	kW	0.810(0.30-1.40)	1.28(0.30-1.60)	1.54(0.40-2.25)	2.19 (0.60-2.70)
Annual energy consumption - Cooling		kWh/a	147	206	282	373
Heating Capacity	Nominal (Min.-Max.)	Btu/h	9550(3410-15020)	12630(3750-17750)	20470(3580-22860)	25250(8190-29690)
	Heating @ -7°C	Btu/h	7167	8190	14500	16720
	Nominal (Min.-Max.)	kW	2.8(1.00-4.40)	3.7(1.10-5.20)	6.0(1.05-6.70)	7.4(2.40-8.70)
	Heating @ -7°C	kW	2.1	2.4	4.25	4.9
Energy efficiency	SCOP/COP(Average climate)	Energy Saving	4.00/3.61	4.00/3.61	4.00/3.72	3.90/3.61
	SCOP(Warm/Cold climate)		4.70/-	4.80/-	5.18/-	5.00/-
Energy class - Heating	Average/warm/cold		A+/A++/-	A+/A++/-	A+/A+++/-	A/A++/-
Heating Pdesign capacity (-10°C)		kW	2.4	2.8	4.8	5.6
Power input - Heating	Nominal (Min.-Max.)	kW	0.78(0.30-1.50)	1.02(0.50-1.60)	1.61(0.40-2.35)	2.05 (0.7-2.9)
Annual energy consumption - Heating		kWh/a	841	981	1679	2011
Operating limits (cooling)	Min.-Max.	°C	21-35°C(in)/10-43°C(out)	21-35°C(in)/10-43°C(out)	21-35°C(in)/10-43°C(out)	21-35°C(in)/10-43°C(out)
Operating limits (heating)	Min.-Max.	°C	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)
Power supply	Ph/V/Hz		1/230/50	1/230/50	1/230/50	1/230/50
Power supply (position)			Indoor	Indoor	Indoor	outdoor
40H FCL (set)	*just for reference		240	240	185	136
<b>Indoor</b>						
Net dimension	W/D/H	mm	820/195/280	820/195/280	1008/225/318	1008/225/318
Package dimension	W/D/H	mm	909/279/355	909/279/355	1085/329/403	1085/329/403
Net/Shipping weight		kg	8.8/11.0	9.0/11.2	12/15	12/15
Air flow(cooling/heating)	Max.	m³/h	500	550	900	1100
Sound power level	Cooling (Hi)	dB	53	54	57	60
	Heating (Hi)	dB	54	55	58	61
Sound pressure level	Cooling (Hi/Mid/Lo/So)	dB(A)	36/30/26/20	37/32/28/20	40/37/35/28	42/38/36/28
	Heating (Hi/Mid/Lo/So)	dB(A)	36/30/26/20	37/32/28/20	40/37/35/28	42/38/36/28
Moisture removal		10 <sup>-3</sup> m³/h	1.2	1.6	2.0	2.8
<b>Outdoor</b>						
Compressor			Hitachi	Mitsubishi	Mitsubishi	Mitsubishi
Net dimension	W/D/H	mm	780/245/540	780/245/540	780/245/640	890/353/697
Package dimension	W/D/H	mm	920/351/620	920/351/620	920/351/720	1046/460/780
Net/Shipping weight		kg	25.5/28.5	26/29	33.5/37	51/56
Air flow(cooling/heating)	Max.	m³/h	1600	1700	2200	2900
Sound power level	Hi	dB	61/62	62/63	63/64	65/66
Sound pressure level	Hi	dB(A)	49/50	50/51	51/52	52/53
Running current	Max.	A	6.7	7.1	10.2	13.5
Refrigerant type			R410A/R32	R410A	R410A	R410A
Refrigerant charge		g	780	780	1200	1450
Refrigerant pipe	Liquid side diameter	mm / inch	6.35	6.35	6.35	6.35
	Gas side diameter	mm / inch	9.52	9.52	12.7	12.7
	Max. pipe length/height	m	15/10	15/10	25/15	25/15
	Max. pipe length without additional charge	m	7	7	10	10
	additional charge	g/m	20	20	20	20

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb)  
For detailed information about ErP, please visit our page <http://www.haier.com/ecodesign>.

# Multi Outdoor Models



2U14CS4ERA 1:2



2U18FS2ERA(S) 1:2



Whispering Air



Wi-Fi Control



3D Airflow



Wired Controller Transfer Kit



On-Off Card



3M Layers Filter



Super Match



-15°C Heating



-10°C Cooling



Long Life Reliable PCB



Outdoor 6 Steps Fan Speed



3 Minutes Protection



Electrical Deicer

Model/outdoor unit			2U14CS4ERA	2U18FS2ERA(S)	
Indoor unit combinations			AS09BS4HRA+ AS12BS4HRA	2*AS12BS4HRA	
Maximum connected quantity of indoor units			2	2	
Nominal performance data	Capacity	Cooling	Btu/h (nor)	14000	17400
			kW nor(min-max)	1.2/4.1/4.5	1.3/5.1/5.8
	Heating		Btu/h (nor)	15000	19800
			kW nor(min-max)	1.5/4.4/5.0	1.9/5.8/6.6
	Rated power input	Cooling	kW nom(min-max)	0.29/1.07/1.4	0.35/1.54/2.07
Heating		kW nom(min-max)	0.34/1.09/1.65	0.45/1.55/2.30	
EER/COP			3.83/4.03	3.31/3.74	
Seasonal performance data	Cooling P design(35°C)		kW	4.1	5.1
	Heating P design(-10°C)		kW	4.2	5.2
	SEER/SCOP			6.10/4.00	6.10/4.00
	Energy class (Cooling/Heating)			A++/A+	A++/A+
	Annual energy consumption(Cooling)		kW	235	292
	Annual energy consumption(Heating)		kW	1471	1821
<b>Outdoor unit</b>					
Electrical Parameters			Power supply	Ph/V/Hz	1/230/50
Performance	Air flow (H/M/L)		m³/h	1900	2900
	Sound power level (H/M/L)		dB(A)	62	63
	Sound pressure level (H/M/L)		dB(A)	52	53
Installation	External dimensions (W/D/H)		mm	780/270/540	810/288/688
	Shipping dimensions (W/D/H)		mm	910/380/617	949/406/760
	Net/Shipping weight		kg	34.0/37.0	43.5/46.5
	Compressor type			Rotary	Twin Rotary
	Refrigerant type			R410A	R410A
	GWP			2088	2088
	Refrigerant liquid pipe		mm	2x6.35	2x6.35
	Refrigerant gas pipe		mm	2x9.52	2x9.52
	Total pipe length (Max)		m	30	30
	Single pipe length (Max)		m	20	20
	Max drop between I.U.&O.U		m	15	15
	Max drop between I.U.&I.U		m	15	15
	refrigerant load in factory		kg	1.2	1.4
	Maximum pipe length without charge refrigerant		m	20	20
	refrigerant charge quantity for extra length		g/m	20	20
Working temp	Cooling(Min-Max)		°C	-10-46	-10-46
	Heating(Min-Max)		°C	-15-24	-15-24



# Multi Outdoor Models



2U40S2SC1FA 1:2



2U50S2SF1FA 1:2



Whispering Air



Wi-Fi Control



3D Airflow



Wired Controller Transfer Kit



On-Off Card



3M Layers Filter



Super Match II+



-15°C Heating



-10°C Cooling



Long Life Reliable PCB



Outdoor 6 Steps Fan Speed



3 Minutes Protection



Electrical Deicer

2U40S2SC1FA AS25S2SD1FA+ AS35S2SD1FA	2U50S2SC1FA 2*AS35S2SD1FA	2U40S2SC1FA AS25S2SF1FA+ AS35S2SF1FA	2U50S2SC1FA 2*AS35S2SF1FA
2	2	2	2
13700	17000	13700	17000
1.1/4.0/4.8	1.3/5.1/6.0	1.1/4.0/4.8	1.3/5.0/6.0
15000	19500	15000	19500
1.8/4.4/5.2	1.8/5.7/6.6	1.8/4.4/5.2	1.8/5.7/6.6
0.3/1.0/1.6	0.38/1.41/2.4	0.3/1.02/1.65	0.35/1.43/2.38
0.38/1.07/1.95	0.55/1.53/2.45	0.38/1.08/1.95	0.55/1.54/2.45
4.00/4.10	3.62/3.72	3.92/4.07	3.50/3.70
4.0	5.0	4.0	5.0
3.3	5.2	3.3	5.2
6.20/4.00	6.50/4.00	6.20/4.00	6.50/4.00
A++/A+	A++/A+	A++/A+	A++/A+
226	269	226	269
1155	1815	1151	1817
1/230/50	1/230/50	1/230/50	1/230/50
1900	2900	1900	2900
62	63	62	63
52	53	52	53
780/270/540	810/288/688	780/270/540	810/288/688
910/380/617	949/406/760	910/380/617	949/406/760
34.2/37.3	43.0/46.4	34.2/37.3	43.0/46.4
Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
R32	R32	R32	R32
675	675	675	675
2x6.35	2x6.35	2x6.35	2x6.35
2x9.52	2x9.52	2x9.52	2x9.52
30	30	30	30
20	20	20	20
15	15	15	15
15	15	15	15
1.0	1.2	1.0	1.2
20	20	20	20
20	20	20	20
-10~46	-10~46	-10~46	-10~46
-15~24	-15~24	-15~24	-15~24

# Match Table

## 2U14CS4ERA for Nebula/Brezza

### Cooling

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			EER	ENERGY CLASS	SEER(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	7	7	----	1.95	1.95	----	1.20	3.90	4.30	0.28	1.02	1.29	1.3	4.6	5.9	3.84	A	6.10	A++
	7	9	----	1.70	2.20	----	1.20	3.90	4.30	0.29	1.02	1.32	1.4	4.6	6.0	3.84	A	6.10	A++
	7	12	----	1.45	2.55	----	1.20	4.00	4.40	0.29	1.05	1.36	1.4	4.8	6.2	3.82	A	6.10	A++
	9	9	----	2.00	2.00	----	1.20	4.00	4.40	0.29	1.05	1.36	1.4	4.8	6.2	3.82	A	6.10	A++
	9	12	----	1.80	2.30	----	1.20	4.10	4.50	0.29	1.07	1.40	1.4	4.8	6.3	3.83	A	6.10	A++

### Heating

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			COP	ENERGY CLASS	SCOP(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	7	7	----	2.10	2.10	----	1.50	4.20	4.60	0.34	1.09	1.56	1.6	5.0	7.1	3.87	A	4.00	A+
	7	9	----	1.80	2.40	----	1.50	4.20	4.70	0.34	1.08	1.60	1.6	5.0	7.3	3.88	A	4.00	A+
	7	12	----	1.60	2.80	----	1.50	4.40	4.80	0.34	1.12	1.60	1.6	5.1	7.3	3.92	A	4.00	A+
	9	9	----	2.20	2.20	----	1.50	4.40	4.80	0.34	1.11	1.60	1.6	5.1	7.3	3.95	A	4.00	A+
	9	12	----	2.00	2.40	----	1.50	4.40	5.00	0.34	1.09	1.65	1.6	4.9	7.4	4.03	A	4.00	A+

## 2U14CS4ERA for Console

### Cooling

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			EER	ENERGY CLASS	SEER(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	9	9	----	2.00	2.00	----	1.20	4.00	4.40	0.29	1.10	1.36	1.4	5.0	6.2	3.63	A	5.10	A
	9	12	----	1.80	2.30	----	1.20	4.10	4.50	0.29	1.07	1.40	1.4	4.8	6.3	3.83	A	5.10	A

### Heating

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			COP	ENERGY CLASS	SCOP(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	9	9	----	2.20	2.20	----	1.50	4.40	4.80	0.34	1.14	1.60	1.6	5.2	7.3	3.85	A	3.80	A
	9	12	----	2.00	2.40	----	1.50	4.40	5.00	0.34	1.13	1.65	1.6	5.1	7.4	3.90	A	3.80	A

## 2U18FS2ERA(S) for Nebula/Brezza

### Cooling

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			EER	ENERGY CLASS	SEER(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	7	7	----	2.50	2.50	----	1.30	5.00	5.40	0.33	1.50	1.91	1.6	7.2	8.7	3.33	A	6.10	A++
	7	9	----	2.20	2.80	----	1.30	5.00	5.40	0.33	1.50	1.91	1.6	7.2	8.7	3.33	A	6.10	A++
	7	12	----	1.85	3.25	----	1.30	5.10	5.60	0.35	1.54	2.00	1.7	7.4	9.2	3.31	A	6.10	A++
	9	9	----	2.55	2.55	----	1.30	5.10	5.60	0.35	1.54	2.00	1.6	7.3	9.2	3.31	A	6.10	A++
	9	12	----	2.10	3.00	----	1.30	5.10	5.70	0.35	1.53	2.03	1.6	7.3	9.1	3.34	A	6.10	A++
12	12	----	2.55	2.55	----	1.30	5.10	5.80	0.35	1.54	2.07	1.6	7.3	9.3	3.31	A	6.10	A++	

### Heating

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			COP	ENERGY CLASS	SCOP(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	7	7	----	2.80	2.80	----	1.60	5.60	6.20	0.41	1.53	2.25	1.9	7.3	10.3	3.65	A	4.00	A+
	7	9	----	2.50	3.10	----	1.60	5.60	6.20	0.41	1.53	2.25	1.9	7.4	10.3	3.67	A	4.00	A+
	7	12	----	2.10	3.70	----	1.70	5.80	6.40	0.42	1.57	2.25	2.0	7.8	10.3	3.70	A	4.00	A+
	9	9	----	2.90	2.90	----	1.70	5.80	6.40	0.42	1.56	2.25	2.0	7.7	10.3	3.71	A	4.00	A+
	9	12	----	2.40	3.40	----	1.80	5.80	6.50	0.43	1.56	2.28	2.0	7.6	10.2	3.72	A	4.00	A+
	12	12	----	2.90	2.90	----	1.90	5.80	6.60	0.45	1.55	2.30	2.1	7.6	10.3	3.74	A	4.00	A+

## 2U18FS2ERA(S) for Console

### Cooling

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			EER	ENERGY CLASS	SEER(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	9	9	----	2.55	2.55	----	1.30	5.10	5.60	0.35	1.57	2.00	1.6	7.4	9.2	3.24	A	5.10	A
	9	12	----	2.10	3.00	----	1.30	5.10	5.70	0.35	1.58	2.03	1.6	7.5	9.1	3.23	A	5.10	A
	12	12	----	2.55	2.55	----	1.30	5.10	5.80	0.35	1.55	2.07	1.6	7.5	9.3	3.28	A	5.10	A

### Heating

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			COP	ENERGY CLASS	SCOP(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	9	9	----	2.90	2.90	----	1.70	5.80	6.40	0.42	1.58	2.25	2.0	7.9	10.3	3.66	A	3.80	A
	9	12	----	2.40	3.40	----	1.80	5.80	6.50	0.43	1.58	2.28	2.0	7.9	10.2	3.65	A	3.80	A
	12	12	----	2.90	2.90	----	1.90	5.80	6.60	0.45	1.57	2.30	2.1	7.8	10.3	3.69	A	3.80	A



# Match Table

## 2U40S2SC1FA for Dawn

### Cooling

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			EER	ENERGY CLASS	SEER(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	20	20	----	1.90	1.90	----	1.10	3.80	4.60	0.29	0.94	1.47	1.2	4.3	6.7	4.04	A	6.20	A++
	20	25	----	1.70	2.10	----	1.10	3.80	4.60	0.30	0.94	1.50	1.3	4.3	6.8	4.04	A	6.20	A++
	20	35	----	1.45	2.45	----	1.10	3.90	4.70	0.30	0.97	1.54	1.3	4.5	7.0	4.02	A	6.20	A++
	25	25	----	1.95	1.95	----	1.10	3.90	4.70	0.30	0.97	1.54	1.3	4.5	7.0	4.02	A	6.20	A++
	25	35	----	1.80	2.20	----	1.10	4.00	4.80	0.30	1.00	1.60	1.3	4.5	7.2	4.00	A	6.20	A++

### Heating

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			COP	ENERGY CLASS	SCOPI(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	20	20	----	2.10	2.10	----	1.80	4.20	4.80	0.38	1.07	1.84	1.7	4.9	8.4	3.93	A	4.00	A+
	20	25	----	1.80	2.40	----	1.80	4.20	4.90	0.38	1.06	1.88	1.7	4.9	8.6	3.96	A	4.00	A+
	20	35	----	1.60	2.80	----	1.80	4.40	5.00	0.38	1.11	1.88	1.7	5.0	8.6	3.97	A	4.00	A+
	25	25	----	2.20	2.20	----	1.80	4.40	5.00	0.38	1.09	1.88	1.7	5.0	8.6	4.03	A	4.00	A+
	25	35	----	2.00	2.40	----	1.80	4.40	5.20	0.38	1.07	1.95	1.7	4.8	8.7	4.10	A	4.00	A+

## 2U40S2SC1FA for Flexis

### Cooling

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			EER	ENERGY CLASS	SEER(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	20	20	----	1.90	1.90	----	1.10	3.80	4.60	0.29	0.94	1.50	1.2	4.3	6.8	4.04	A	6.20	A++
	20	25	----	1.75	2.05	----	1.10	3.80	4.60	0.30	0.94	1.54	1.3	4.3	7.0	4.04	A	6.20	A++
	20	35	----	1.55	2.35	----	1.10	3.90	4.70	0.30	0.97	1.57	1.3	4.5	7.1	4.03	A	6.20	A++
	25	25	----	2.00	2.00	----	1.10	4.00	4.70	0.30	0.99	1.57	1.3	4.5	7.1	4.04	A	6.20	A++
	25	35	----	2.00	2.00	----	1.10	4.00	4.80	0.30	1.02	1.65	1.3	4.5	7.4	3.92	A	6.20	A++

### Heating

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			COP	ENERGY CLASS	SCOPI(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	20	20	----	2.10	2.10	----	1.80	4.20	4.80	0.38	1.07	1.85	1.7	4.9	8.4	3.93	A	4.00	A+
	20	25	----	1.90	1.90	----	1.80	4.20	4.90	0.38	1.06	1.88	1.7	4.9	8.6	3.96	A	4.00	A+
	20	35	----	1.80	1.80	----	1.80	4.40	5.00	0.38	1.12	1.88	1.7	5.1	8.6	3.93	A	4.00	A+
	25	25	----	2.20	2.20	----	1.80	4.40	5.00	0.38	1.10	1.89	1.7	5.0	8.6	4.00	A	4.00	A+
	25	35	----	2.00	2.00	----	1.80	4.40	5.20	0.38	1.08	1.95	1.7	4.8	8.7	4.07	A	4.00	A+

## 2U40S2SC1FA for Flare

### Cooling

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			EER	ENERGY CLASS	SEER(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	20	20	----	1.90	1.90	----	1.10	3.80	4.60	0.29	0.94	1.50	1.2	4.3	6.8	4.04	A	6.20	A++
	20	25	----	1.75	2.05	----	1.10	3.80	4.60	0.30	0.94	1.54	1.3	4.3	7.0	4.04	A	6.20	A++
	20	35	----	1.55	2.35	----	1.10	3.90	4.70	0.30	0.97	1.57	1.3	4.5	7.1	4.03	A	6.20	A++
	25	25	----	2.00	2.00	----	1.10	4.00	4.70	0.30	0.99	1.57	1.3	4.5	7.1	4.04	A	6.20	A++
	25	35	----	2.00	2.00	----	1.10	4.00	4.80	0.30	1.02	1.65	1.3	4.5	7.4	3.92	A	6.20	A++

### Heating

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			COP	ENERGY CLASS	SCOPI(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	20	20	----	2.10	2.10	----	1.80	4.20	4.80	0.38	1.07	1.85	1.7	4.9	8.4	3.93	A	4.00	A+
	20	25	----	1.90	2.30	----	1.80	4.20	4.90	0.38	1.06	1.88	1.7	4.9	8.6	3.96	A	4.00	A+
	20	35	----	1.80	2.60	----	1.80	4.40	5.00	0.38	1.12	1.88	1.7	5.1	8.6	3.93	A	4.00	A+
	25	25	----	2.20	2.20	----	1.80	4.40	5.00	0.38	1.10	1.89	1.7	5.0	8.6	4.00	A	4.00	A+
	25	35	----	2.00	2.40	----	1.80	4.40	5.20	0.38	1.08	1.95	1.7	4.8	8.7	4.07	A	4.00	A+

## 2U50S2SF1FA for Dawn

### Cooling

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			EER	ENERGY CLASS	SEER(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	20	20	----	2.45	2.45	----	1.30	4.90	5.60	0.33	1.36	2.27	1.6	6.1	10.2	3.60	A	6.50	A++
	20	25	----	2.20	2.70	----	1.30	4.90	5.60	0.33	1.36	2.27	1.6	6.1	10.2	3.60	A	6.50	A++
	20	35	----	2.00	3.00	----	1.30	5.00	5.80	0.35	1.41	2.33	1.7	6.3	10.6	3.55	A	6.50	A++
	25	25	----	2.50	2.50	----	1.30	5.00	5.80	0.35	1.41	2.33	1.6	6.3	10.4	3.55	A	6.50	A++
	25	35	----	2.00	2.75	----	1.30	5.10	5.90	0.35	1.38	2.35	1.6	6.2	10.5	3.69	A	6.50	A++
	35	35	----	2.55	2.55	----	1.30	5.10	6.00	0.38	1.41	2.40	1.6	6.3	10.7	3.62	A	6.50	A++

### Heating

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			COP	ENERGY CLASS	SCOP(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	20	20	----	2.75	2.75	----	1.50	5.50	6.30	0.49	1.51	2.37	2.2	6.8	10.9	3.64	A	4.00	A+
	20	25	----	2.45	3.05	----	1.50	5.50	6.30	0.49	1.51	2.37	2.2	6.8	10.9	3.64	A	4.00	A+
	20	35	----	2.15	3.45	----	1.60	5.60	6.40	0.52	1.53	2.37	2.3	6.9	10.9	3.66	A	4.00	A+
	25	25	----	2.80	2.80	----	1.60	5.60	6.40	0.52	1.53	2.37	2.3	6.8	10.9	3.66	A	4.00	A+
	25	35	----	2.60	3.10	----	1.70	5.70	6.50	0.53	1.55	2.40	2.4	7.0	10.6	3.67	A	4.00	A+
	35	35	----	2.85	2.85	----	1.80	5.70	6.60	0.55	1.53	2.45	2.5	6.9	10.9	3.72	A	4.00	A+

## 2U50S2SF1FA for Flexis

### Cooling

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			EER	ENERGY CLASS	SEER(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	20	20	----	2.45	2.45	----	1.30	4.90	5.60	0.33	1.35	2.26	1.6	6.0	10.1	3.63	A	6.50	A++
	20	25	----	2.20	2.70	----	1.30	4.90	5.60	0.33	1.36	2.27	1.6	6.1	10.2	3.60	A	6.50	A++
	20	35	----	2.00	3.00	----	1.30	5.00	5.80	0.35	1.43	2.33	1.7	6.3	10.6	3.50	A	6.50	A++
	25	25	----	2.50	2.50	----	1.30	5.00	5.80	0.35	1.43	2.33	1.6	6.3	10.6	3.50	A	6.50	A++
	25	35	----	2.20	2.80	----	1.30	5.00	5.80	0.35	1.39	2.35	1.6	6.2	10.5	3.60	A	6.50	A++
	35	35	----	2.50	2.50	----	1.30	5.00	6.00	0.35	1.43	2.38	1.6	6.3	10.7	3.50	A	6.50	A++

### Heating

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			COP	ENERGY CLASS	SCOP(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	20	20	----	2.85	2.85	----	1.50	5.50	6.30	0.49	1.51	2.37	2.2	6.7	10.9	3.64	A	4.00	A+
	20	25	----	2.55	3.15	----	1.50	5.50	6.30	0.49	1.52	2.37	2.2	6.8	10.9	3.62	A	4.00	A+
	20	35	----	2.20	3.50	----	1.60	5.70	6.40	0.52	1.57	2.38	2.3	7.0	10.9	3.63	A	4.00	A+
	25	25	----	2.85	2.85	----	1.60	5.70	6.50	0.52	1.56	2.38	2.3	6.9	10.9	3.65	A	4.00	A+
	25	35	----	2.55	3.15	----	1.70	5.70	6.60	0.53	1.56	2.40	2.4	6.9	10.6	3.65	A	4.00	A+
	35	35	----	2.85	2.85	----	1.80	5.70	6.60	0.55	1.54	2.45	2.5	6.8	10.9	3.70	A	4.00	A+

## 2U50S2SF1FA for Flare

### Cooling

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			EER	ENERGY CLASS	SEER(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	20	20	----	2.45	2.45	----	1.30	4.90	5.60	0.33	1.35	2.26	1.6	6.0	10.1	3.63	A	6.50	A++
	20	25	----	2.20	2.70	----	1.30	4.90	5.60	0.33	1.36	2.27	1.6	6.1	10.2	3.60	A	6.50	A++
	20	35	----	2.00	3.00	----	1.30	5.00	5.80	0.35	1.43	2.33	1.7	6.3	10.6	3.50	A	6.50	A++
	25	25	----	2.50	2.50	----	1.30	5.00	5.80	0.35	1.43	2.33	1.6	6.3	10.6	3.50	A	6.50	A++
	25	35	----	2.20	2.80	----	1.30	5.00	5.80	0.35	1.39	2.35	1.6	6.2	10.5	3.60	A	6.50	A++
	35	35	----	2.50	2.50	----	1.30	5.00	6.00	0.35	1.43	2.38	1.6	6.3	10.7	3.50	A	6.50	A++

### Heating

Comb.	Combinations			Rated capacity output(kW)			Total cooling input(kW)			Total power input(kW)			Total current(A)@230V			COP	ENERGY CLASS	SCOP(W/W) Rated capacity	ENERGY CLASS
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data	Min. data	Rated data	Max. data				
1:2	20	20	----	2.85	2.85	----	1.50	5.50	6.30	0.49	1.51	2.37	2.2	6.7	10.9	3.64	A	4.00	A+
	20	25	----	2.55	3.15	----	1.50	5.50	6.30	0.49	1.52	2.37	2.2	6.8	10.9	3.62	A	4.00	A+
	20	35	----	2.20	3.50	----	1.60	5.70	6.40	0.52	1.57	2.38	2.3	7.0	10.9	3.63	A	4.00	A+
	25	25	----	2.85	2.85	----	1.60	5.70	6.50	0.52	1.56	2.38	2.3	6.9	10.9	3.65	A	4.00	A+
	25	35	----	2.55	3.15	----	1.70	5.70	6.60	0.53	1.56	2.40	2.4	6.9	10.6	3.65	A	4.00	A+
	35	35	----	2.85	2.85	----	1.80	5.70	6.60	0.55	1.54	2.45	2.5	6.8	10.9	3.70	A	4.00	A+



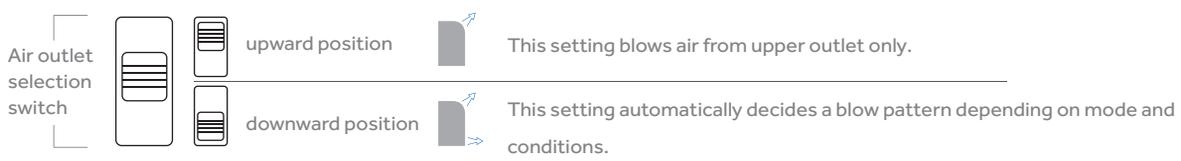
# Console A/A

## Carpet Airflow Brings Comfort Heating

### Carpet Airflow

The special designed function for console type make the possibility of airflow blowing along with the floor level,so provide the extreme comfort like warm carpet especially in the winter bed room.

#### Easy select the air outlet way by manual switch



#### Automatic carpet airflow control programm

When the air outlet selection switch is at downward position,the unit can realize carpet airflow under below conditions:

In heating mode, when room temp. is reaching setting temp. the unit will blow both upward and downward.

In cooling mode,when the unit just start or there is big gap between room temp. and setting temp.,the unit will blow both upward and downward.



## Key Features



Carpet Airflow



Whispering Air



-15°C Heating



-10°C Cooling



A-PAM  
Inverter Control



Comfortable Sleep



Super Match



AF09AS1ERA  
AF12AS1ERA



Outdoor



Remote Controller

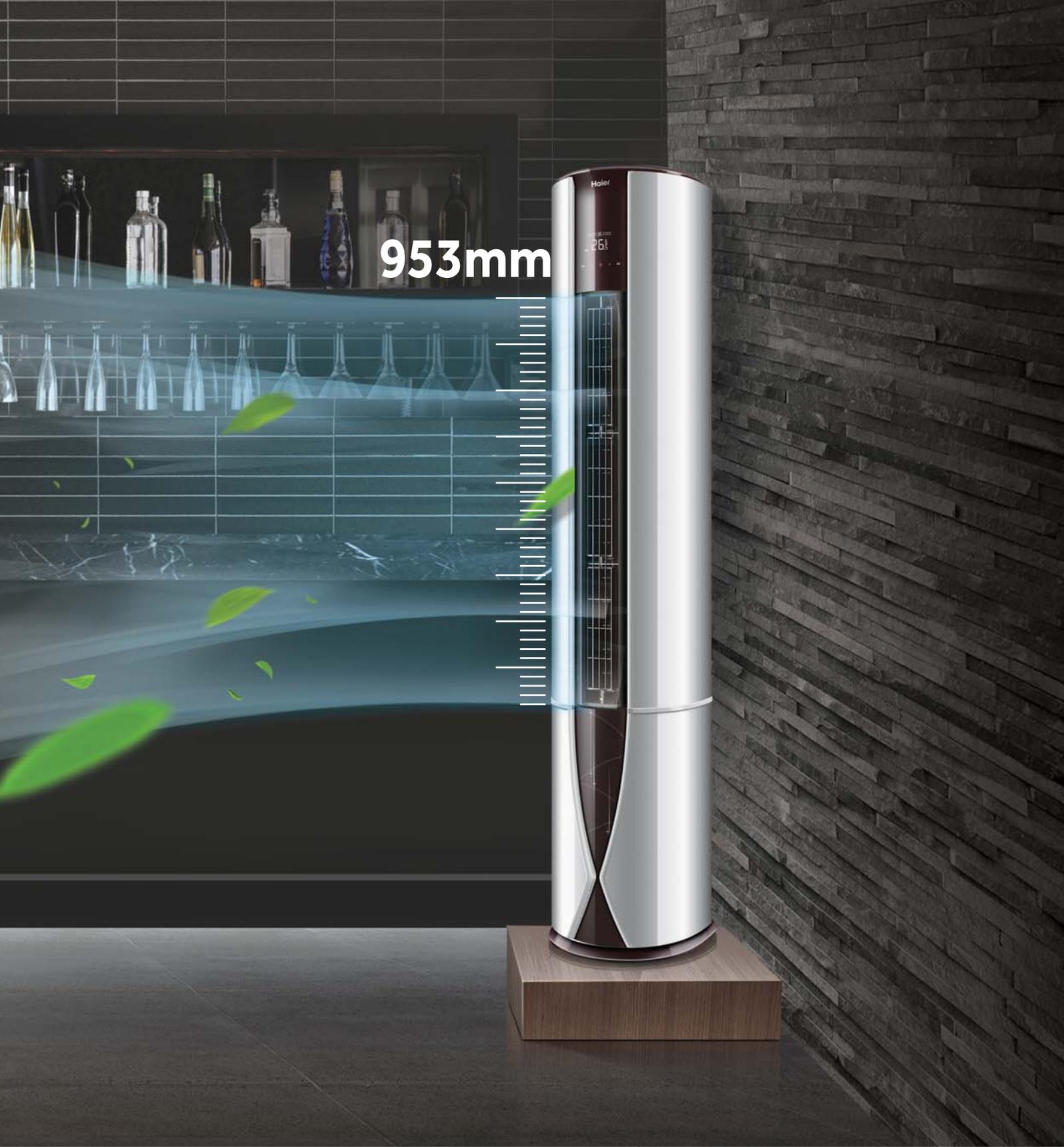
		Indoor	AF09AS1ERA	AF12AS1ERA
		Outdoor	1U09BS3ERA	1U12BS3ERA
Cooling Capacity	Nominal (Min.-Max.)	Btu/h	8530(4430-10240)	11940(4780-13640)
	Nominal (Min.-Max.)	kW	2.5(1.3-3.0)	3.5(1.4-4.0)
Energy efficiency(average climate)	SEER/EER	Energy Saving	5.30/3.30	5.30/3.20
Energy class - Cooling			A	A
Cooling Pdesign capacity(35°C)		kW	2.5	3.4
Power input - Cooling	Nominal (Min.-Max.)	kW	0.75(0.35-1.30)	1.10(0.37-1.55)
Annual energy consumption - Cooling		kWh/a	165	224
Heating Capacity	Nominal (Min.-Max.)	Btu/h	9560(4780-10920)	12970(4780-13990)
	Heating @ -7°C	Btu/h	7500	9000
	Nominal (Min.-Max.)	kW	2.8(1.4-3.2)	3.8(1.4-4.1)
	Heating @ -7°C	kW	2.2	2.6
Energy efficiency	SCOP/COPI(Average climate)	Energy Saving	3.80/3.70	3.80/3.40
	SCOP(Warm/Cold climate)		4.80/-	4.80/-
Energy class - Heating	Average/warm/cold		A/A+/-	A/A+/-
Heating Pdesign capacity (-10°C)		kW	2.5	3
Power input - Heating	Nominal (Min.-Max.)	kW	0.76(0.33-1.30)	1.11(0.38-1.55)
Annual energy consumption - Heating		kWh/a	1005	1360
Operating limits (cooling)	Min.-Max.	°C	"21-35°C(in)/-10-43°C(out)"	"21-35°C(in)/-10-43°C(out)"
Operating limits (heating)	Min.-Max.	°C	"10-27°C(in)/-15-24°C(out)"	"10-27°C(in)/-15-24°C(out)"
Power supply	Ph/V/Hz		1/230/50	1/230/50
Power supply (position)			outdoor	outdoor
40H FCL (set)	*just for reference		182	182
<b>Indoor</b>				
Net dimension	W/D/H	mm	720/253/640	720/253/640
Package dimension	W/D/H	mm	787/307/722	787/307/722
Net/Shipping weight		kg	17/19.5	17.5/20
Air flow(cooling/heating)	Max.	m³/h	550	650
Sound power level	Cooling (Hi)	dB	53	55
	Heating (Hi)	dB	54	56
Sound pressure level	Cooling (Hi/Mid/L0/So)	dB(A)	41/39/34/29	42/40/37/31
	Heating (Hi/Mid/L0/So)	dB(A)	42/40/35/30	43/41/38/32
Moisture removal		10³m³/h	1.2	1.6
<b>Outdoor</b>				
Compressor			Panasonic	Panasonic
Net dimension	W/D/H	mm	780/245/540	780/245/540
Package dimension	W/D/H	mm	920/351/620	920/351/620
Net/Shipping weight		kg	28.4/31.4	30.4/33.4
Air flow(cooling/heating)	Max.	m³/h	1900	1900
Sound power level	Hi	dB	61/62	62/63
Sound pressure level	Hi	dB(A)	51/52	52/53
Running current	Max.	A	5.7	7.1
Refrigerant type			R410A	R410A
Refrigerant charge		g	750	1000
Refrigerant pipe	Liquid side diameter	mm / inch	6.35	6.35
	Gas side diameter	mm / inch	9.52	9.52
	Max. pipe length/height	m	15/10	15/10
	Max. pipe length without additional charge	m	7	7
	additional charge	g/m	20	20

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb)  
For detailed information about ERP, please visit our page <http://www.haier.com/ecodesign>.

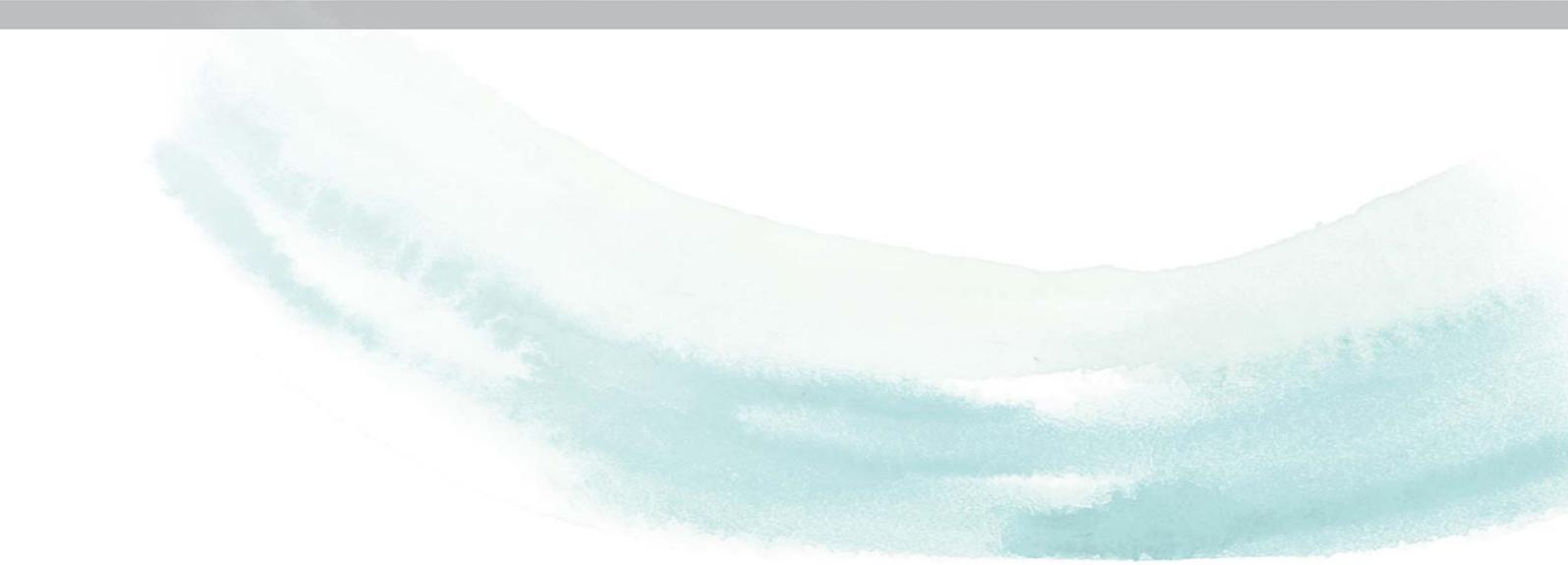


# Cabinet

Super **Long** vertical blowing cabinet design supplying **Quick** comfort for **Big** space



953mm



# Cabinet

A++/A+

Enjoy long distance airflow with full comfort



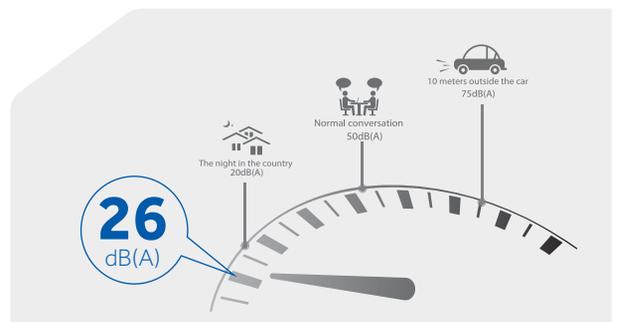
## Wi-Fi Control

Control your air conditioning system with smart phone or tablet, which can connect internet.



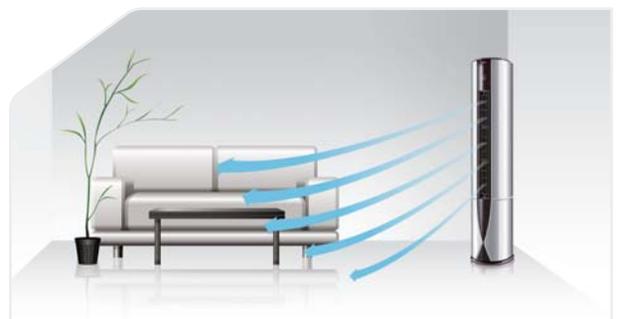
## Whispering Air

Optimize the noise control technology, such as the compressor frequency adjustment, fan speed control and air flue design decreasing the noise level even lowest to 26dB(A) with the specialized QUIET setting. (refer to 24k)



## Vertical Airflow

Super long vertical blowing cabinet design, supplying fast comfort for big space.





AP24DF1HRA

## Key Features



Wi-Fi Control Whispering Air Vertical Airflow Comfortable Sleep



3D Airflow

## Features

- -15°C Heating
- -10°C Cooling
- 10°C Heating Maintenance
- Comfortable Sleep
- Electrical Deicer
- Auto Horizontal Airflow (Two Motors)



Outdoor



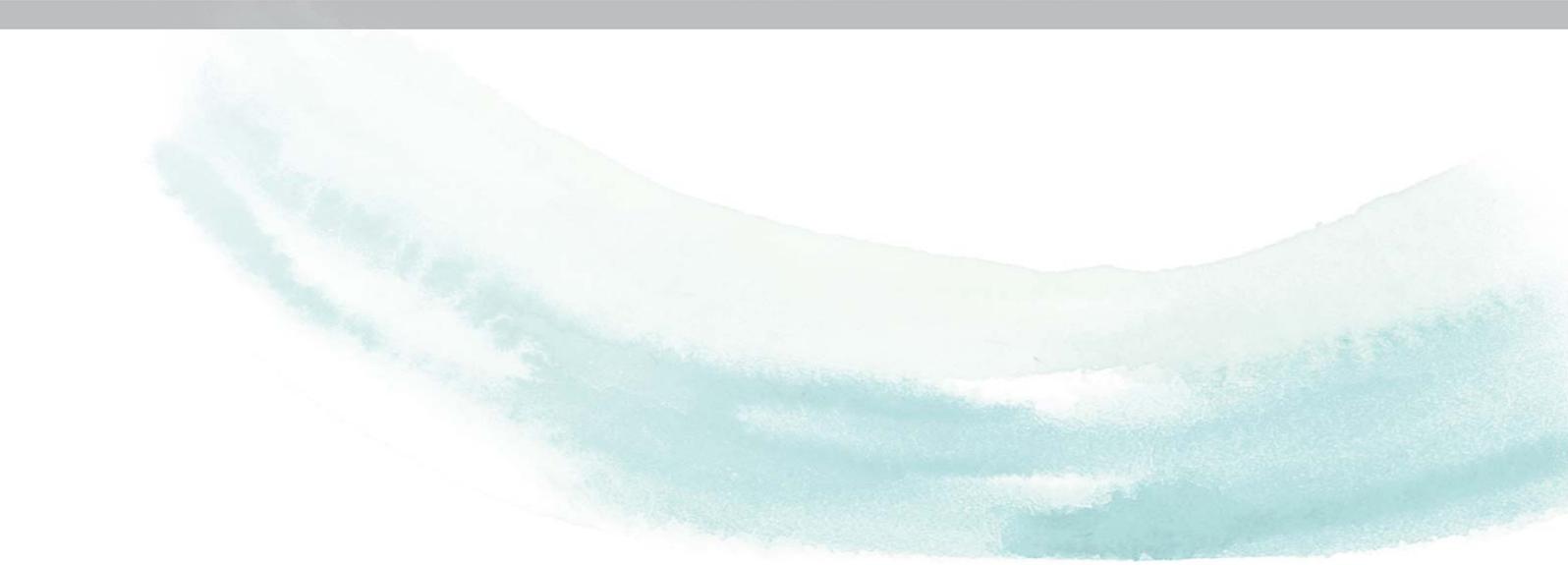
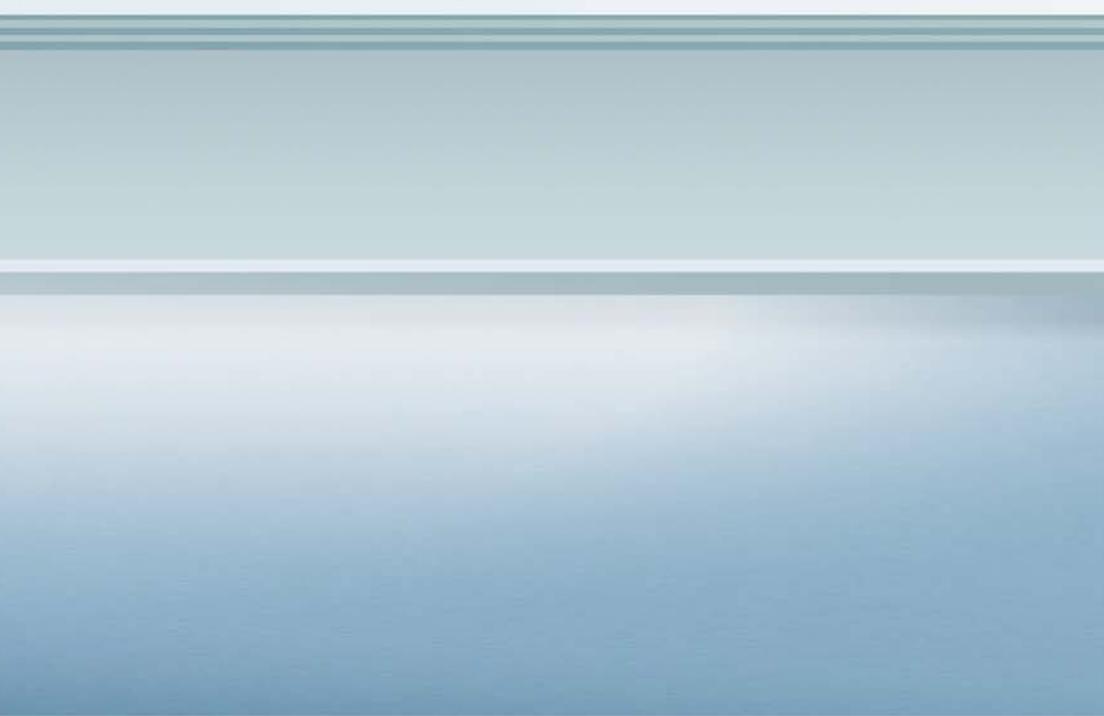
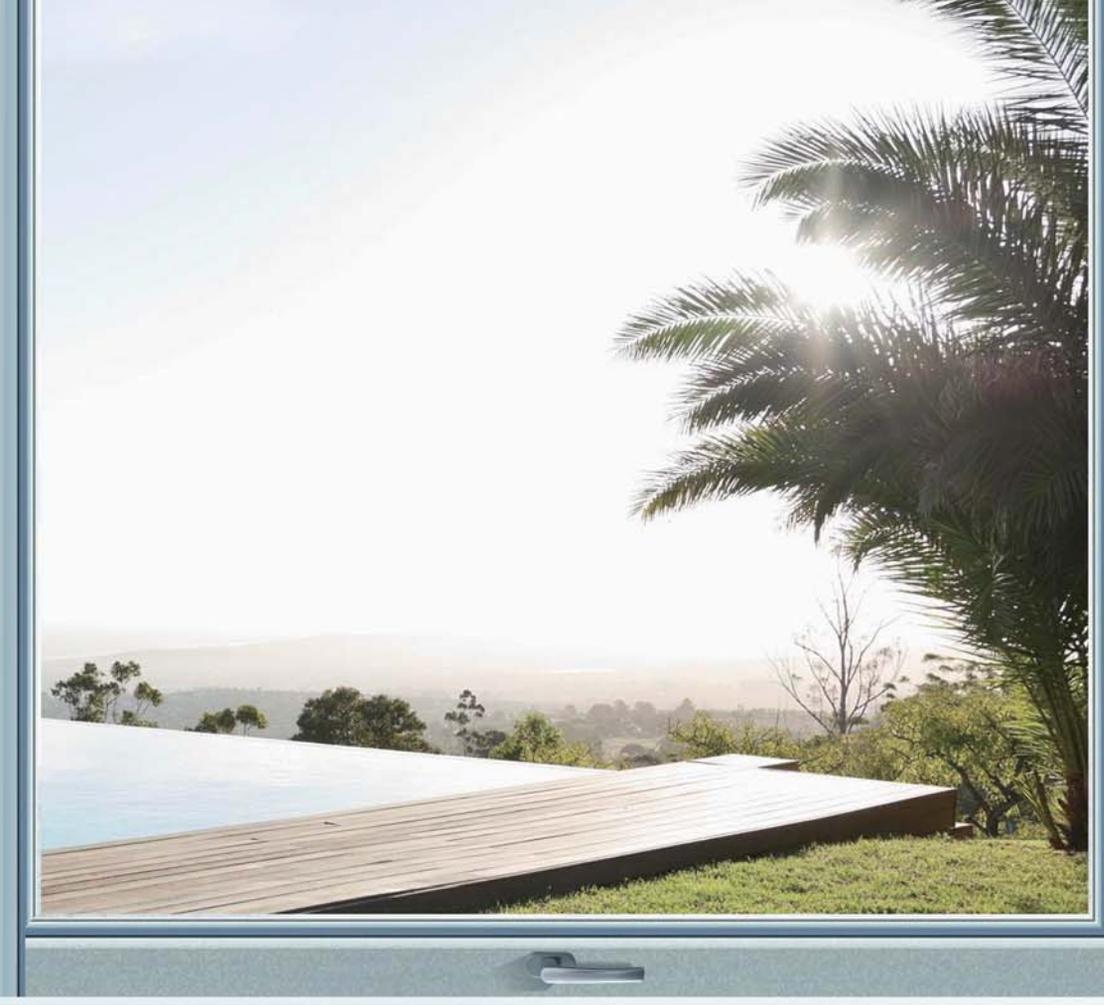
Remote Controller

Model	Indoor		AP24DF1HRA
	Outdoor		1U24SE3ERA
Cooling Capacity	Nominal (Min.-Max.)	Btu/h	24580(3072-30374)
	Nominal (Min.-Max.)	kW	7.2(0.9-8.9)
Energy efficiency(average climate)	SEER/EER	Energy Saving	7.06/3.50
Energy class - Cooling			A++
Cooling Pdesign capacity(35°C)		kW	7.2
Power input - Cooling	Nominal (Min.-Max.)	kW	2.06(0.31-2.8)
Annual energy consumption - Cooling		kWh/a	357
	Nominal (Min.-Max.)	Btu/h	30715(3072-35834)
Heating Capacity	Heating @ -7°C	Btu/h	16620
	Nominal (Min.-Max.)	kW	9.0(0.9-10.5)
	Heating @ -7°C	kW	4.87
	SCOP/COPI(Average climate)	Energy Saving	4.05/3.29
Energy efficiency	SCOP(Warm/Cold climate)		4.71/-
Energy class - Heating	Average/warm/cold		A+/A++/-
Heating Pdesign capacity (-10°C)		kW	5.5
Power input - Heating	Nominal (Min.-Max.)	kW	2.73(0.49-3.182)
Annual energy consumption - Heating		kWh/a	1903
Operating limits (cooling)	Min.-Max.	°C	21-35°C(in)/-10-43°C(out)
Operating limits (heating)	Min.-Max.	°C	10-27°C(in)/-15-24°C(out)
Power supply	Ph/V/Hz		1/230/50
Power supply (position)			outdoor
40H FCL (set)	*just for reference		54
<b>Indoor</b>			
Net dimension	W/D/H	mm	377/407/1810
Package dimension	W/D/H	mm	525/555/1935
Net/Shipping weight		kg	34/45
Air flow(cooling/heating)	Max.	m³/h	1200
Sound power level	Cooling (Hi)	dB	60
	Heating (Hi)	dB	60
Sound pressure level	Cooling (Hi/Mid/Lo/So)	dB(A)	42/37/34/26
	Heating (Hi/Mid/Lo/So)	dB(A)	42/37/34/26
Moisture removal		10 <sup>-3</sup> m³/h	4.25
<b>Outdoor</b>			
Compressor			Mitsubishi
Net dimension	W/D/H	mm	920/385/762
Package dimension	W/D/H	mm	1085/487/843
Net/Shipping weight		kg	55/61
Air flow(cooling/heating)	Max.	m³/h	2500
Sound power level	Hi	dB	69
Sound pressure level	Hi	dB(A)	56
Running current	Max.	A	14.3
Refrigerant type	R410A/R32		R410A
Refrigerant charge	R410A/R32	g	1950
	Liquid side diameter	mm / inch	6.35
Refrigerant pipe	Gas side diameter	mm / inch	12.7
	Max. pipe length/height	m	25/15
	Max. pipe length without additional charge	m	10
	additional charge	g/m	20

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB.(DB: Dry Bulb; WB: Wet Bulb)  
For detailed information about ERP, please visit our page <http://www.haier.com/ecodesign>.



# Portable Air Conditioning



## Key Features

### Design

#### Appearance

Innovative & Compact Design

#### Display

LED Display

#### Control

Ergonomic design of control panel  
(right hand operation habit)

### Friendly

#### Draining

Two drain ports, both auto-draining and manual draining is available

#### Universal Wheels

The unit can be moved wherever that you want easily

#### Controller Bracket

Special design to hold the remote controller, avoid missing the controller

#### Power Cable Holder

Hold the power cable, avoid any accident

### Smart

#### Air Flow

Cool down the room quickly with auto-swing function

#### Air Outlet

The air outlet can open and close automatically when switch on/off

#### Self-Diagnosis

Show the error code when the unit has a malfunction

#### 24h Timer

Switch on/off the unit whenever you want

### Performance

#### Multi-Function

Can be used as AC/Fan/Dehumidifier in you home or office

#### Strong Performance

Strong cooling capacity  
Strong airflow (350m<sup>3</sup>/hr, 9k model)

#### Low Noise

48dB(A) at low fan speed

# Portable Air Conditioning

## Profile



## Specifications

Model		Unit	AM09AN1LAA	AM09AN1HAA	AM12AN1LAA	AM12AN1HAA
Cooling capacity		Btu/h	9000	9000	12000	12000
		W	2640	2640	3520	3520
Heating capacity		Btu/h	N/A	10000	N/A	13000
		W	N/A	2930	N/A	3800
Power Supply		V-Hz,Ph	220 ~ 240,50,1	220 ~ 240,50,1	220 ~ 240,50,1	220 ~ 240,50,1
Rated Input	Cooling	W	1010	1010	1350	1350
Rated Current	Cooling	A	4.8	4.8	6.4	6.4
Rated Input	Heating	W	N/A	1060	N/A	1400
Rated Current	Heating	A	N/A	5.0	N/A	6.6
EER for Cooling(R-410A)		Btu/W·h	8.91	8.91	8.90	8.90
		W/W	2.61	2.61	2.61	2.61
COP for Heating(R-410A)		Btu/W·h	N/A	9.43	N/A	9.26
		W/W	N/A	2.76	N/A	2.71
Energy Class (EER/COP)		/	A/-	A/-	A/-	A/-
Moisture Removal		L/h	1	1	1.4	1.4
Air Circulation		m <sup>3</sup> /h	350	350	400	400
Noise	High	dB(A)	53	53	54	54
	Mid	dB(A)	51	51	52	52
	Low	dB(A)	48	48	49	49
Body Size	W×H×D	mm	428×742×383	428×742×383	428×742×383	428×742×383
Package Size	W×H×D	mm	488×876×420	488×876×420	488×876×420	488×876×420
Net Weight/Gross Weight		kg	30.5/34.3	30.7/34.5	31.5/35.3	31.7/35.7
Appliation Area		m <sup>2</sup>	15 ~ 20	15 ~ 20	20 ~ 25	20 ~ 25
Loading Quantity		Set/40" HQ	394	394	394	394
		Set/40" GQ	264	264	264	264
		Set/20"	132	132	132	132

\* Remarks:1 The above technical data are for reference only. Haier reserves the right to modify them without notice.

# Dimensional Indoor



## Dawn

AS20S2SD1FA - AS25S2SD1FA - AS35S2SD1FA - AS42S2SD1FA



## Flexis

AS20S2SF1FA - AS25S2SF1FA - AS35S2SF1FA



AS50S2SF1FA



AS71S2SF1FA



## Flare

AS20S2SF2FA - AS25S2SF2FA - AS35S2SF2FA



AS50S2SF2FA

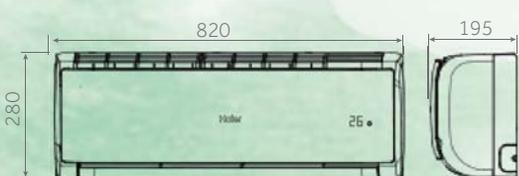


AS71S2SF2FA

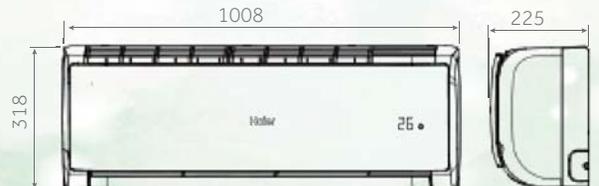


## Tundra Green

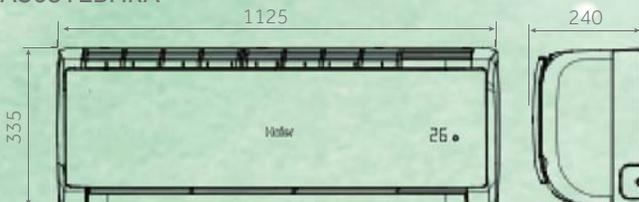
AS25TABHRA - AS35TABHRA



AS50TDBHRA



AS68TEBHRA



## Nebula

AS07NS1HRA - WU/GU - AS09NS1HRA - WU/GU - AS12NS1HRA - WU/GU



AS18NS1HRA - WU/GU



AS15NS1HRA - WU/GU



AS24NS1HRA - WU/GU

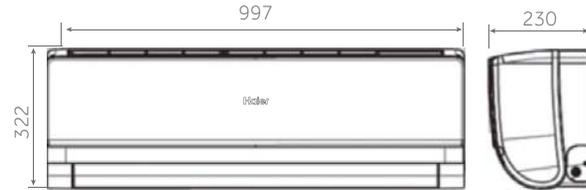


## Brezza

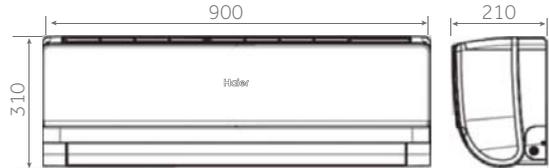
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AS18NS3HRA



AS15NS3HRA



AS24NS3HRA

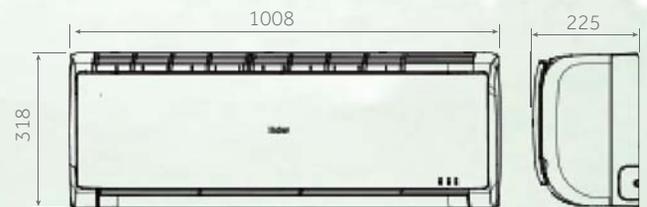


## Tundra

AS09TA2HRA - AS12TA2HRA

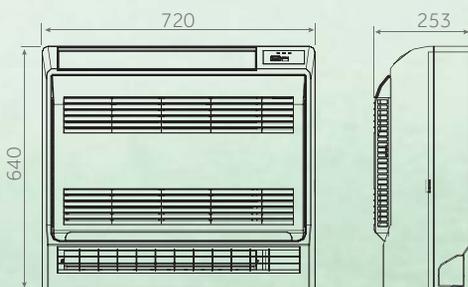


AS18TD2HRA - AS24TD2HRA



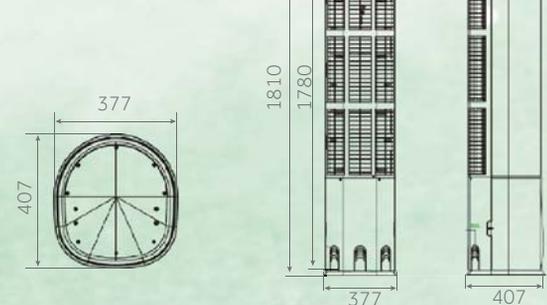
## Console

AF09AS1ERA - AF12AS1ERA



## Cabinet

AP24DF1HRA

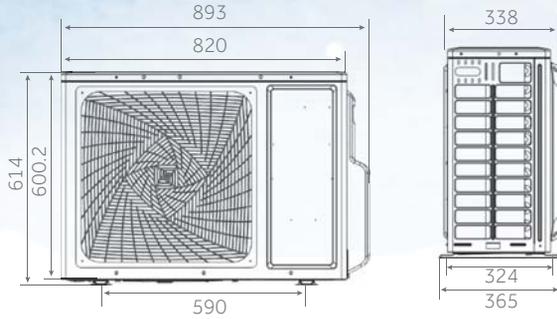


# Dimensional Outdoor



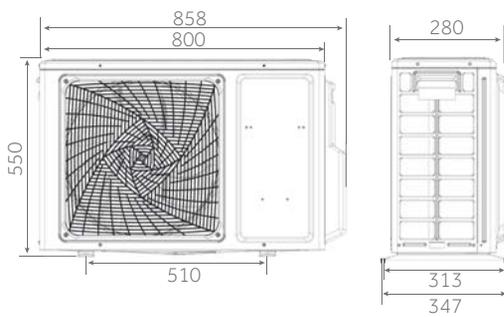
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1U25S2PJ1FA - 1U35S2PJ1FA

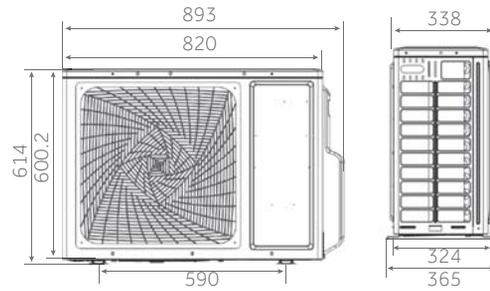


## Super Match II+ Flexis/Flare

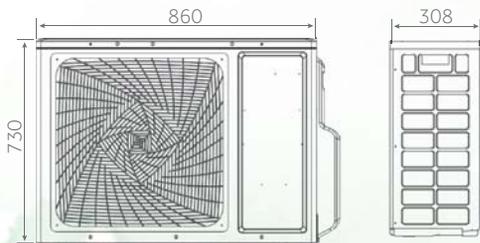
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1U50S2SJ2FA

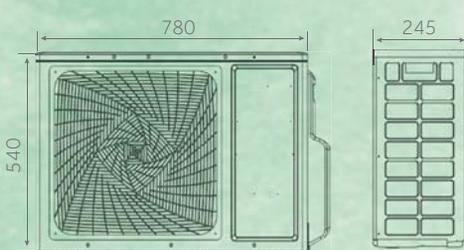


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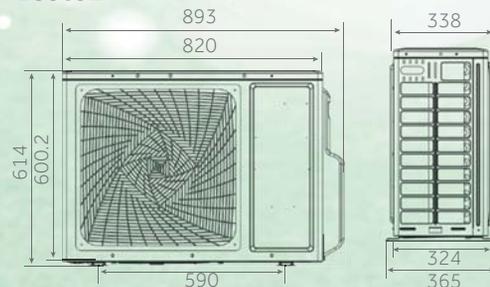


## Tundra Green

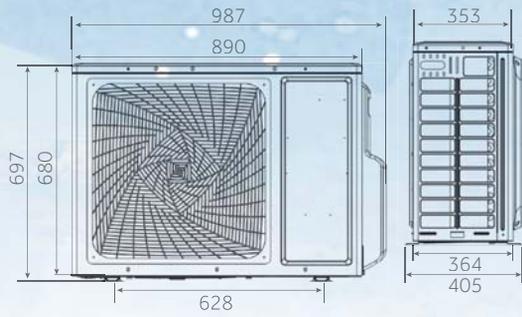
1U25BEFFRA - 1U35BEFFRA



1U50JEFFRA

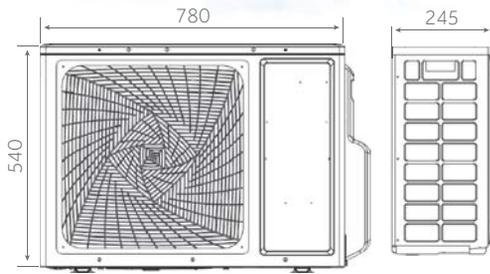


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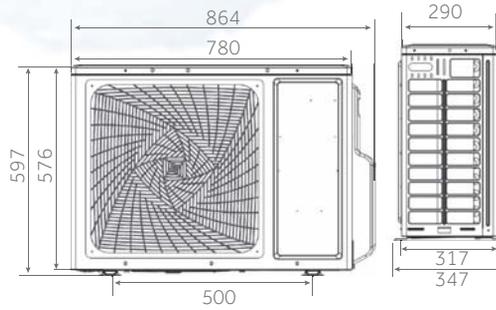


## Super Match Nebula/Brezza/Console

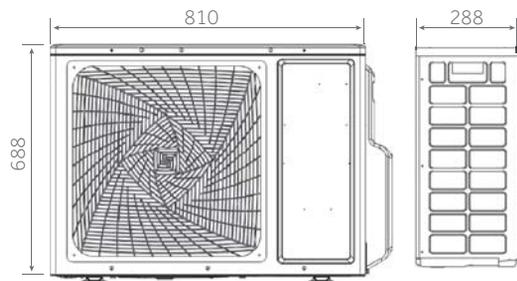
### 1U09BS3ERA - 1U12BS3ERA



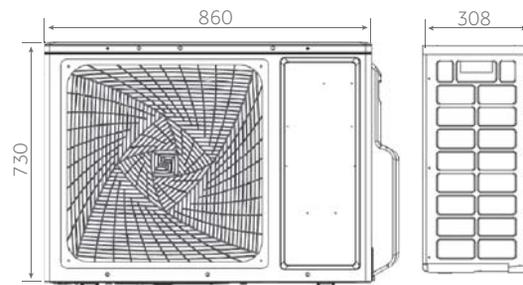
### 1U15BS3ERA



### 1U18FS2ERA(S)

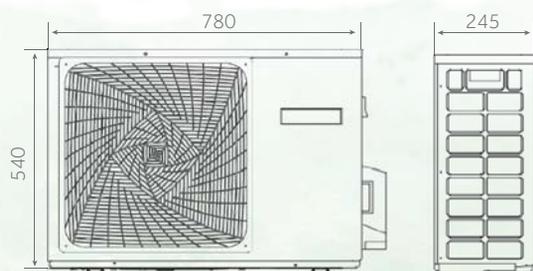


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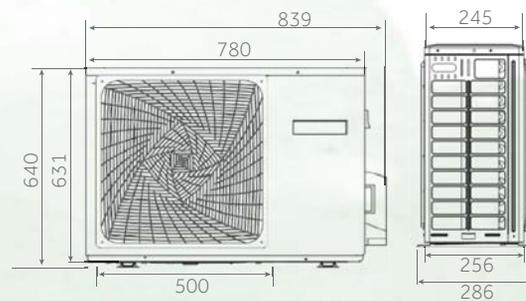


## Tundra

### 1U09BE8ERA - 1U12BE8ERA

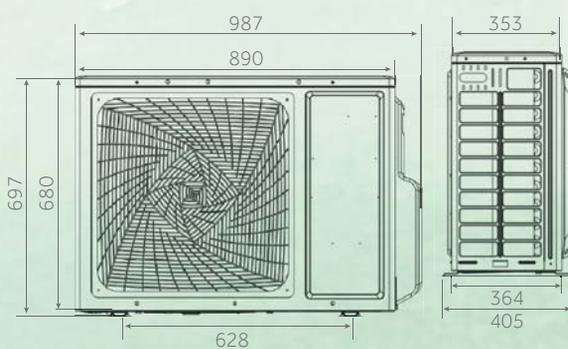


### 1U18EE8ERA

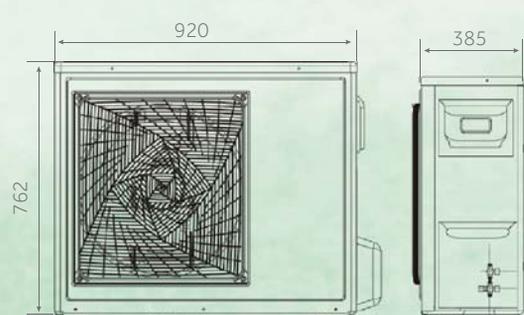


## Cabinet

### 1U24RE8ERA



### 1U24SE3ERA







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# Haier



## Haier Air Conditioning



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