

# Residential MonoSplit Inverter

## PEARL

Haier

MONOSPLIT RESIDENTIAL

2,5 kW

3,5 kW

5,0 kW

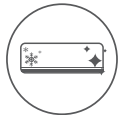
6,8 kW



Standard YR-HE



Coanda Plus



Self Clean



56°C Steri-Clean



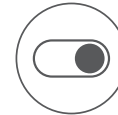
UVC Sterilisation



Wi-Fi control integrated



Easy Installation



On-Off Card



Silence

- Coanda Plus Airflow
- Self-Clean
- 56°C Steri-Clean
- UVC Sterilisation
- Wi-Fi control integrated
- Easy installation
- On - Off Card
- Low noise level



INDOOR UNIT	Model	AS25PBAHRA	AS35PBAHRA	AS50PDAHRA	AS68PDAHRA	
OUTDOOR UNIT	Model	1U25YEGFRA-1	1U35YEGFRA-2	1U50MEGFRA	1U68WEGFRA	
<b>Performance data</b>						
Output power - COOLING	nom (min-max) kW	2,60 (0,80-3,00)	3,50 (0,80-3,60)	5,00 (1,30-5,80)	6,80 (2,20-8,50)	
Output power - HEATING	nom (min-max) kW	2,80 (0,80-3,20)	3,50 (0,80-4,20)	5,20 (1,40-6,00)	6,80 (2,40-9,50)	
Absorbed power - COOLING	nom (min-max) kW	0,804 (0,30-1,20)	1,206 (0,30-1,60)	1,547 (0,40-2,00)	2,105 (0,70-2,90)	
Absorbed power - HEATING	nom (min-max) kW	0,754 (0,30-1,40)	0,943 (0,30-1,60)	1,400 (0,52-2,50)	1,831 (0,60-2,90)	
Energy class	EER	W/W	3,23	2,90	3,23	3,23
	COP	W/W	3,71	3,71	3,71	3,71
COOLING Pdesign	35 °C	kW	2,60	3,50	5,00	6,80
HEATING Pdesign	(-10 °C)	kW	2,40	2,80	4,60	5,60
Energy class	SEER		6,10 (A++)	6,10 (A++)	6,10 (A++)	6,80 (A++)
	SCOP		4,00 (A+)	4,00 (A+)	4,00 (A+)	4,00 (A+)
Annual Energy Consumption - COOLING	kWh/a	149	201	287	336	
Annual Energy Consumption - HEATING	kWh/a	840	980	1610	1960	
<b>Indoor Unit</b>						
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Treated air volume	H	m <sup>3</sup> /h	550	600	900	1100
Dehumidification		L/h	1,0	1,3	2,0	2,8
High sound power - COOLING		dB	54	56	57	62
High sound power - HEATING		dB	54	56	57	62
Sound pressure - COOLING		dB(A)	37/32/28/18	37/33/29/19	44/40/35/28	47/45/37/29
Sound pressure - HEATING		dB(A)	37/32/28/18	37/33/29/19	44/40/35/28	47/45/37/29
Net dimensions	WxDxH	mm	805x200x290	805x200x290	975x220x320	975x220x320
Packaging dimensions	WxDxH	mm	874x270x363	874x270x363	1050x301x397	1050x301x397
Net/gross weight		kg	8,3/10,5	8,3/10,5	11,6/14,4	11,6/14,4
<b>Outdoor Unit</b>						
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Power cable		N x mm <sup>2</sup>	3 x 1,0	3 x 1,5	3 x 2,5	3 x 2,5
Interconnection cable		N x mm <sup>2</sup>	4 x 1,0	4 x 1,0	4 x 1,0	4 x 1,0
Sound power		dB	62	63	65	68
Sound pressure	H	dB(A)	49	50	53	53
Running current cooling/heating	Max	A	6,2/6,2	7,1/7,1	11,3/11,3	13,0/13,0
Starting current cooling/heating	Max	A	1,5/1,5	1,5/1,5	2,0/2,0	2,0/2,0
Net dimensions	WxDxH	mm	700x245x544	700x245x544	800x275x553	890x340x705
Packaging dimensions	WxDxH	mm	845x320x593	845x320x593	908x405x625	1046x460x780
Net/gross weight		kg	22,8/25,3	23,5/26,0	32,7/36,5	44,0/48,0
Compressor type			Rotary inverter	Rotary inverter	Rotary inverter	Rotary inverter
<b>Installation data</b>						
Refrigerant			R32	R32	R32	R32
Liquid pipe	Ø	mm (inch)	6,35 (1/4)	6,35 (1/4)	6,35 (1/4)	6,35 (1/4)
Gas pipe	Ø	mm (inch)	9,52 (3/8)	9,52 (3/8)	12,70 (1/2)	12,70 (1/2)
Standard pipe length without refrigerant charge		m	5	5	7	7
Maximum pipe length		m	20	20	25	25
Maximum IU - OU elevation		m	10	10	15	15
Refrigerant charge in the factory		kg	0,52	0,53	0,90	1,10
Refrigerant charge in the factory		TCO <sub>2</sub> eq	0,35	0,36	0,61	0,74
Additional ref. charge over std length		g/m	20	20	20	20
Operating limits - COOLING (in/out)	min-max	°C	21-35°C/-10-43°C			
Operating limits - HEATING (in/out)	min-max	°C	10-27°C/-15-24°C			

# WI-FI CONTROL



Haier's new Wi-Fi "hOn" app, enables you to take control of all the Haier group appliances in your Smart Home from a single app on your smartphone or tablet.

The hOn app allows you to manage all the basic functions and much more. The app can also respond to voice commands because it is compatible with Google Assistant and Alexa.

## TECHNOLOGY

### Integrated Wi-Fi module

The Wi-Fi module is already built into the air conditioner. In order to control the units via smartphone or tablet it is necessary to download the hOn spp from the App Store, Google Play and Huawei AppGallery. You can also use the QR Code here to locate the app.



## BENEFIT

### Customised Service

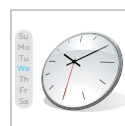
Here are some of the functions you can enjoy with "hOn" app.



**Group Control**  
Control multiple units on one single smart phone device.



**Smart Reminder**  
Sends regular notifications to user to clean the filter mesh.



**Weekly Timer**  
Sets temperature and fan speed for the week ahead.



**Error Alert**  
Error code is shown on the app when it malfunctions.



**Convenient Control**  
Controls air conditioner from anywhere and anytime via network.



**Custom Program**  
One button for user DIY program.



**Voice In APP**  
Built-in voice control for easy for the interaction.



**Holiday Mode**  
Set holiday mode with one simple touch.



**Energy Consumption**  
Know your electricity consumption in real time.

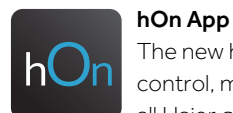
# VOICE-CONTROL



Total comfort is also when words are worth more than actions. With Haier's voice control function, you can manage the main functions of one or more air conditioners, simply through verbal communication.

To use this function, you must ensure that the Haier air conditioning units are connected to the Wi-Fi network and configured with a Smart Home. (Smart Home device not supplied by Haier for compatible devices, please contact head office).

## TECHNOLOGY



### hOn App

The new hOn App is a single digital environment to control, manage and enjoy, getting the most out of all Haier group products.

With the hOn App, it is possible to control all your Haier Group smart appliances, using voice control via the most popular voice assistants. It was created, using the latest technologies for smart appliances, to make it simpler and easier to use.

## BENEFIT

### Customised Service

Here are some of the functions you can enjoy with "hOn" app.

Turn on/off the air conditioner.

Is the air conditioner on/off?

Set the air conditioner to 20 degree.

What is the temperature set on air conditioner?



Set the air conditioner to heat/cool/smart mode.

What mode is the air conditioner set?

Set the air conditioner to low/medium/high/auto speed.

What is the air conditioner speed?

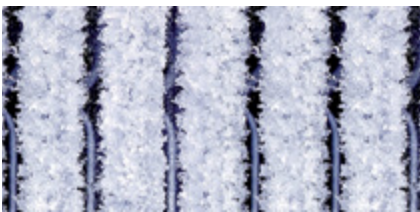
# SELF-CLEAN FUNCTION



During operation, dirt accumulates on the evaporator. If the evaporator is not cleaned regularly, accumulated dirt reduces the thermal exchange by 15-30% and also promotes the proliferation of bacteria and mould.

## TECHNOLOGY

### Cold expansion technology



The layer of frost that forms on the evaporator/condenser generates a strong force of cold expansion that easily removes dirt from the surface.

### Express washing technology



Low-angle hydrophilic aluminium foil speeds up water drainage by 20%.

### Antibacterial technology



The coating contains silver nanoparticles capable of effectively killing 99% of the bacteria by inhibiting their proliferation.

The new Self Clean technology is the first of its kind to integrate the self-cleaning function of both the evaporator and the condenser. It starts with cleaning the evaporator, then switches to cleaning the condenser without stopping the compressor.

## BENEFIT



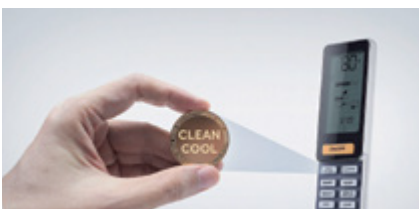
### Cleaner air

This innovative technology allows you to kill bacteria and keep the evaporator clean.



### Increased energy efficiency

Our air conditioner always works at maximum cooling capacity with very high energy efficiency.



### Savings on cleaning costs

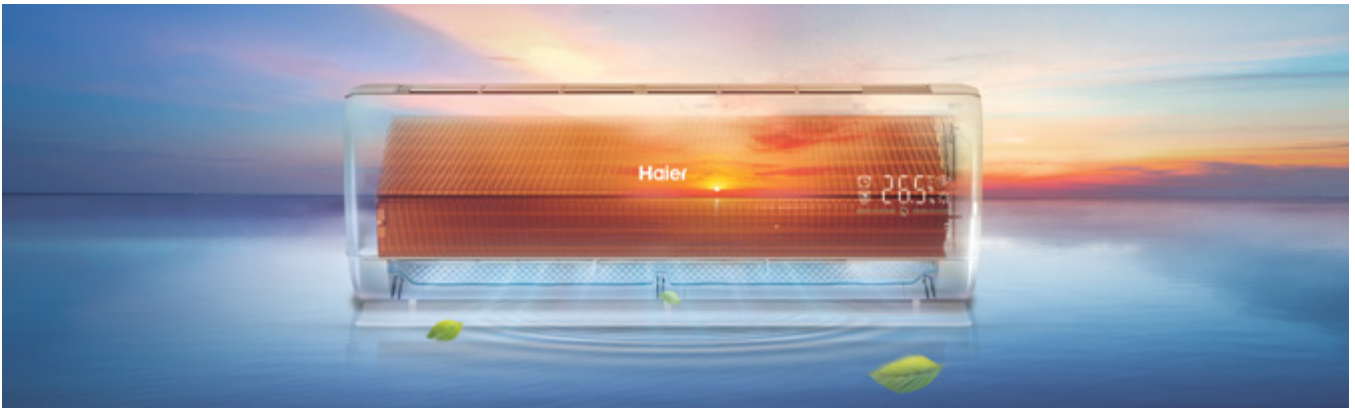
The automated cleaning process eliminates the frequency of manual cleaning by a service engineer.

### TUV Certification



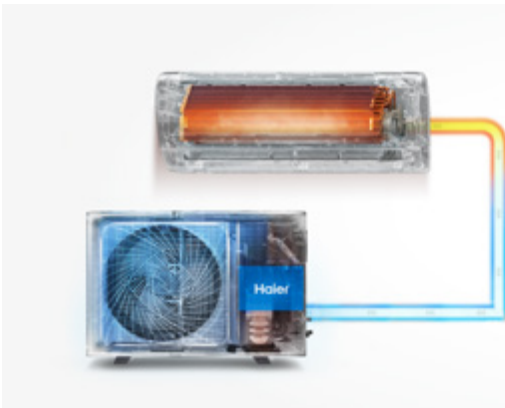


# 56°C STERI-CLEAN



Kills bacteria and viruses by heating the evaporator to 56°C high temperature for 30+ minutes.

## TECHNOLOGY



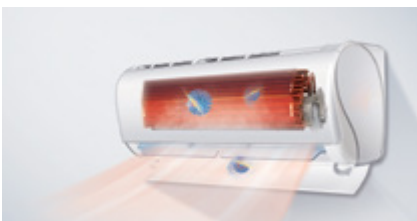
### High Temperature Sterilisation

Almost no bacteria and virus can survive at 56°C for 30+ minutes based on latest research. Once the heating process is done, the evaporator is cooled down instantly to achieve better Sterilisation performance.

### Smart Frequency Control

It intelligently adjusts the compressor frequency to control the coil temperature and then maintains the evaporator at 56°C high temperature.

## BENEFIT



### Delivering Healthier Air

56°C high temperature sterilisation dries the components inside, and kills bacteria and virus, ensuring healthy air coming out of air conditioner.



### Eliminates Bacteria

As a result of this process the viruses and bacteria are eliminated from both the exchanger and other surrounding components of the machine. The result is also tested by the SGS laboratories which have shown its effectiveness.



### Easy-to-Operate

The function is available via hOn APP and you can turn it on with just a simple tap.

### SGS Certification\*



# COANDA PLUS AIRFLOW

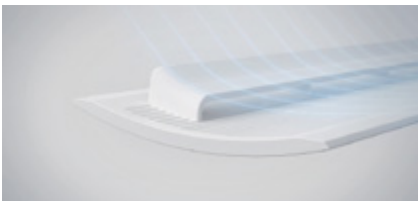


Coanda Plus Airflow enables the air to flow further, faster and strong for even air distribution through out the room.

## TECHNOLOGY

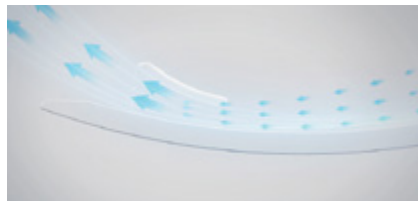
The Coanda plus airflow, made up of 3 parts under micro-perspective, delivers air in a more intuitive way, and forms the all-space circulation.

### Air deflection



The application of the dual-layer wind deflector structure creates the unique Archimedean spiral that directs the cold airflow to the ceiling with 35° elevation.

### Air speeds up



The optimal pressure expansion duct that is narrow inside and wide outside between dual layers where Venturi Effect occurs when air flows through the duct. Thus, the airflow is instantly released at high speed.

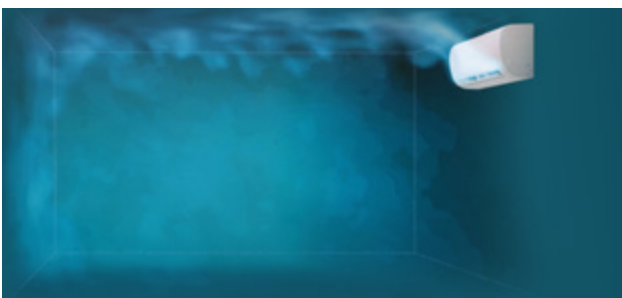
### Supplemented Airflow



The airflow below the air deflector, absorbed tightly by the negative pressure generated by the faster airflow in-between, joins the main airflow and makes it even more stronger.

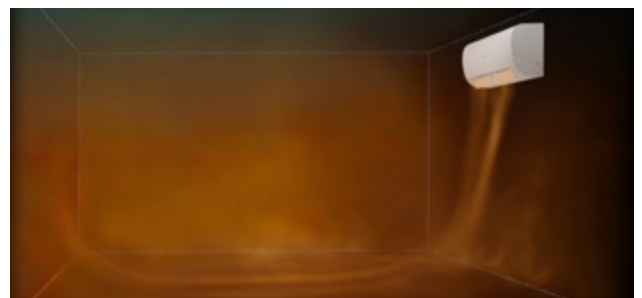
## BENEFIT

### Archimedean Spiral



When the cooling mode is turned on, the cool air rises with 35° elevation to the ceiling, so users can avoid direct exposure to the cold airflow blowing out of the air conditioner. It is evenly dispersed from the ceiling to the floor of your room in a much more faster and more comfortable way.

### Venturi Effect



When the heating mode is turned on, the warm air is delivered directly to cover the floor. And then the warm air circulates to the whole space, and ensures the temperature is balanced at every corner of your room.