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2014 EUROPEAN  
AIR CONDITIONER COLLECTION  
COOL & COMFORT

Our mission is to deliver an enhanced customer experience that exceeds expectations with every product we sell.

From our product's elegance and sophisticated design; leading-edge technology; superior performance and enduring reliability to the most trusted retail partners in the industry, nothing is ever compromised.

Step off the beaten path – choose Hisense, where innovation meets value.

**Hisense** life reimagined

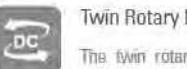
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## COOL &amp; COMFORT

## Energy Saving



**Twin Rotary DC Inverter Compressor**  
The twin rotary inverter compressor design reduces friction during operation for smoother rotation with less vibration, while also preventing leakage of refrigerant gas during compression. The result is a far quieter and more efficient air conditioner.



**Electronic Expansion Valve**  
Inserted inside the outdoor unit is the electronic expansion valve, which has the function of regulating and optimizing the refrigerant quantity of all working indoor units according to the needs of the moment.



**Environment Friendly Gas**



**3D Inlet Air Flow**  
3D Inlet, Faster Cooling, Better Heat Exchange Efficiency.



**Soft Start**  
Because the starting current is very high, some home appliances may not run smoothly when the AC starts. A soft start solves the problem.



**High Efficient Layout**  
The layout of this exchanger creates a bigger heat-exchanging surface that allows for better thermal efficiency.



**1W standby**



**Self Evaporative System**



**Full Process by DC Drive**

Benefit from high efficiency and energy saving  
 •Compressor: Twin rotary DC inverter compressor, Low noise and high efficiency  
 •Control Mode: Digital signal control AC voltage DC voltage Adjust the rotary speed, high efficiency on electricity conversion  
 •Circuit Type: Brushless DC with sensor control, precision on speed control, low running noise  
 •Fan Motor Type: Digital converting circuit motor  
 •Flow Restriction Mode: Electronic expansion valve



**Golden Fins**  
Anti-corrosion, better hydrophilic coating, higher heat exchange efficiency.



**Full DC Motor**

## Comfort



**Wide-Angle Louvers**  
Smoothly curved Wide-Angle Louvers provide wide airflow coverage and cooling/heating no matter where the indoor unit is placed.



**Super Cooling**  
Press the "SUPER" button on the remote controller to immediately feel the cool air you desire.



**I Feel**  
The remote control measures the room temperature and relays the information to the unit to adjust to the proper station.



**Smart Running**  
Once you press the "SMART" button on the remote control, the AC will run at the most comfortable mode according to the room temperature.



**Low Temperature Heating (-15 °C)**



**16-30 °C Temperature Control**



**Ultra Low Ambient Temperature Operation (3 °C)**

## Health



**Independent Dehumidify**



**Anti-Cold Air Function**  
Prevent blowing cool air when the temperature of the evaporator is too low.



**Multi-Layer Air Purifying Technology**



**Anti Mildew Running**  
After turning the AC off, the indoor fan will continue running for 30 seconds and dry condensation in the indoor unit, keeping mildew from growing.



**Multi-layer Air Purifying Technolongy(optional)**



**Full Purified Air (FPA) System**



**Cold Plasma Generator**  
The Cold Plasma Ion Generator breaks down air molecules into positive and negative ions. In the process of forming and breaking down positive and negative ions, the re-generated discharge energy oxidizes and sterilizes dust and bacterial molecules. This will keep the air clean & fresh.



**30%-80% Free humidity setting**



**Hi Density Filter**

## More Features



**Low Voltage Running**  
Works perfectly while running on low voltage.



**Auto Restart Function**  
The AC will resume operation as soon as power is restored without manually resetting the controls.



**Sleep Function**  
The sleep function automatically adjusts the room temperature and shuts the AC down after 8 hours.



**Ultra Wide (80mm) Horizontal Louver**



**4 Sleeping Curves**



**Fire Proof Electrical Box**



**Automatic Double Vertical Louver**



**Super Silent Mode**

## COOL &amp; COMFORT

## More Features

## Lifestyle Convenience

 24hr Timer  
Set a specific time during the day to have the AC automatically turn on or off.

 Dimmer  
Press this button to shut off the display light on the front panel.

 Mild hidden LED display  
The display turns to be hidden when the unit is off, which creates the stylish look.

 Emergency Operation  
A convenient ON/OFF switch on the indoor unit that allows you to start up the system without the remote control.

 IMD Inner Mould Decoration

 Flat Design

 Self-Diagnosis and Auto Protection Function  
Malfunction codes for the indoor unit are shown on the digital display panel for fast and easy maintenance.

 HIDDEN IR Receiver  
Creates a stylish look.

 Easy Cleaning Panel and PP Filter  
The panel and filter can be easily detached for cleaning.

 Luxury & Fashion Design

 11.3cm Thickness  
Gather worldwide top designers together to bring you super slim body and attractive air conditioner.

 Splashing Preventing Water Tank

 Room and Setting Humidity Display

 Drain Hose Connector

 Hidden Handle & Power Cord Storage Design

 Universal Design

 Easy Maintenance Design

 Optional Water Pump

 Universal Indoor Unit For Mono & Multi

 4 Caters For Easy Moving

 Integrative Base (Indoor Unit)

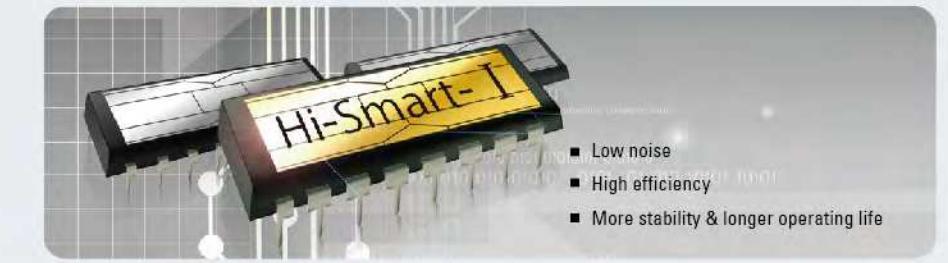


## Hisense Smart Air Conditioner



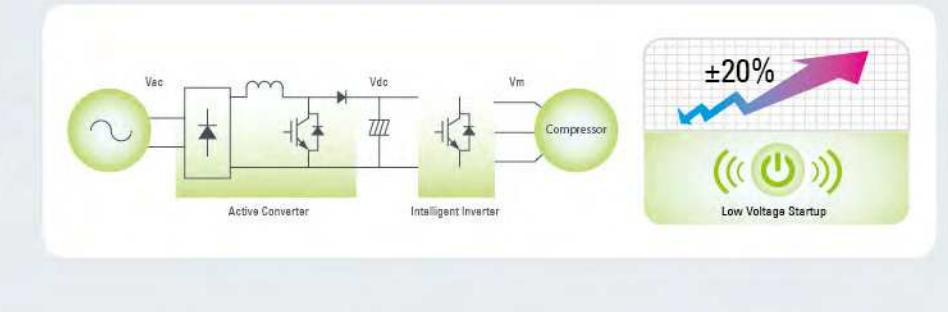
### ■ Advanced Self-adaptive BLDC Compressor Driver Technology

Advanced Self-adaptive BLDC Compressor Driver Technology makes the air conditioners run more quietly and more efficiently, and bring more comfortable experiences to the consumers.

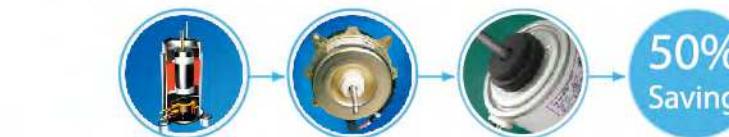


### ■ Smart PFC Control Technology

PFC Control Technology can apply voltage compensation at low voltage condition. System can switch on or switch off the PFC according to the voltage condition, in order to realize the low voltage startup and operate efficiently when the voltage becomes stable. The range of the operating voltage can be increased 20% maximum.



### ■ 3-DC Inverter Technology



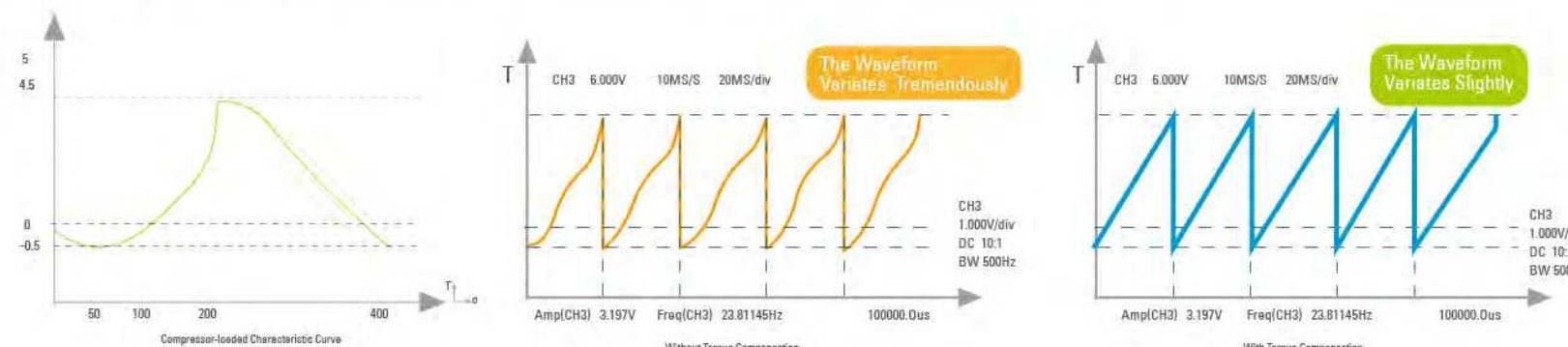
Controlling of the motor speed according to the change of the cooling and heating load, 3-DC Inverter technology allows for extremely accurate control of compressor rotation speed, saving roughly 50% more energy than traditional air conditioners. Moreover, it guarantees greater reliability and less maintenance. The Brushless DC compressor and fans motor greatly reduce the loss owed to the typical owing dispersion of AC motors and more efficiently reaches the set temperature.

## Hisense Inverter Technology

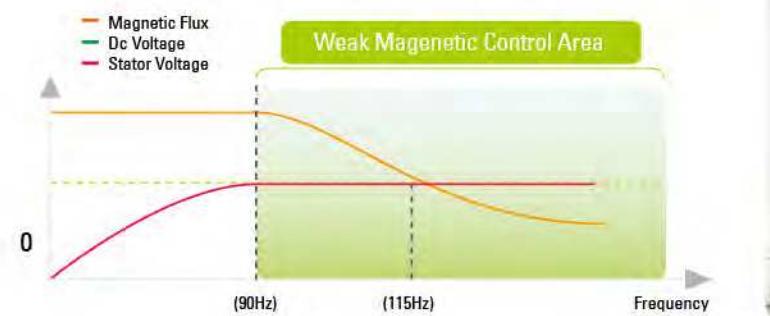
## COOL & COMFORT

### ■ Low-frequency Torque Compensation Technology

According to the compressor-loaded characteristic curve, the low-frequency torque compensation technology independently developed by Hisense reduces the compressor's vibration and expands the low frequency operation range to 10Hz.



### ■ Weak Magnetic Control Technology



Hisense's unique weak magnetic control technology can operate at high-frequency under the high loaded conditions, wider frequency range and more powerful cooling/heating capacity.

### ■ Advantages You Can Find From The Hisense Inverter Air Conditioner



Hisense's DC inverter drive applies unique weak magnetic control and low-frequency torque technology, which effectively expands the running range to reach 10Hz-135Hz, and realizes that the direction of the compressor's drive force is exactly the same as that of the rotor at all times, increasing energy conservation. The compressor is steadier, more efficient, and temperature control is more accurate ( $\pm 0.5^{\circ}\text{C}$ ), preventing the room temperature from fluctuating and ultimately keeping you more comfortable.

**Smooth Temperature Control**

The Hisense Inverter Air Conditioner can speed up the compressor and strengthen its heating capacity when the room temperature is very low. Enjoy a warm, spring-like temperature during the cold winter with the Hisense Inverter Air Conditioner.

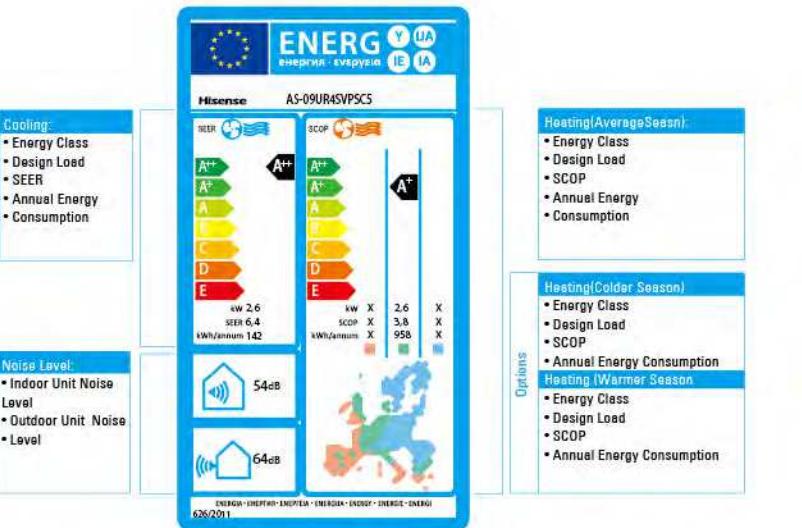
**Stronger Heating Capability at A Low Ambient Temperature**

Because the compressor can vary its speed automatically, the Hisense Inverter Air Conditioner can start at full speed and reach the desired temperature rapidly.

**Reach The Desired Temperature Faster**

## COOL & COMFORT

### ■ Energy Label



### ■ Super Louver Fin



- Heat transfer enhancement mechanism uses three kinds of heat:
- Destruction of the boundary layer
  - Flow disturbances
  - Speeds up the flow to achieve "increased efficiency of heat transfer without increasing power consumption" purposes.

### ■ Super Slit Fin



### ■ Indoor Cross-flow Fan



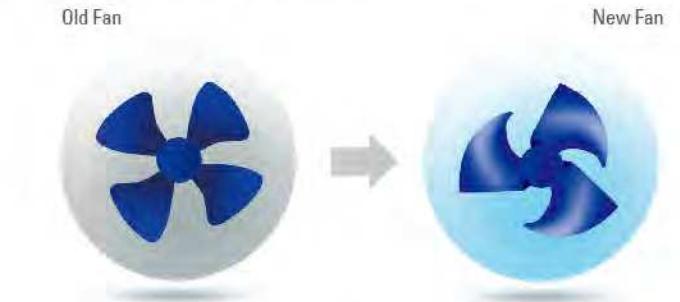
- New asymmetric oblique cross flow fan
- CFD & PIV technology
- Based on "field synergy theory"
- Full parameter & multi-target optimal design for air tunnel
- Increases efficiency, improves air flow distribution in heat exchanger
- Increases heat transfer coefficient by about 15%

### ■ Inner Grooved Copper Tube



Copper tube with thin gears can increase the surface area and enhance the turbulence effects of refrigerant, and improve heat transfer performance of the product. This is mainly because increasing the number of gears in the tube appropriately, the groove bottom width can be increased rather than decreased, and the inner groove bottom width of tube wall will be increased, so that the condensation discharges from the tube in time. Additionally, the tube circumference girth is increased and the film thickness is decreased so it reduces thermal resistance. Therefore, the overall energy efficiency can increase by 3% to 5%.

### ■ Outdoor Air Tunnel And Fan



## COOL & COMFORT

### ■ Hisense Energy Saving Technology

#### Full Process by DC Drive

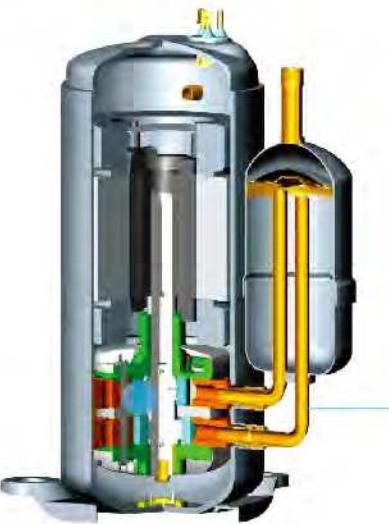
- Compressor: Twin rotary DC inverter compressor that operates with low noise and high efficiency.
- Control Mode: Digital signal control/AC voltage/DC voltage/adjustable rotary speed, high efficiency on electricity conversion.

- Circuit Type: Brushless DC with sensor control, high precision on speed control, low running noise
- Fan Motor Type: Digital converting circuit motor.
- Flow Restriction Mode: Electronic expansion valve.

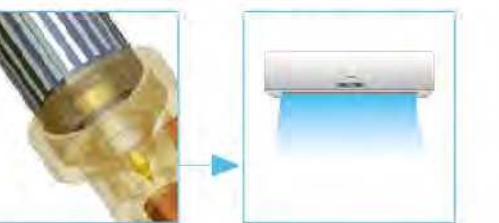


#### Electronic Expansion Valve

Inside the outdoor unit is the electronic expansion valve, which regulates and optimizes the refrigerant quantity to all running indoor units.



#### Reduc Friction Preventing Leakage Of Refrigerant Gas

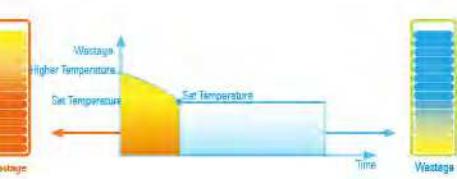


#### Twin Rotary DC Inverter Compressor

The twin rotary inverter compressor design reduces friction during operation for smoother rotation with less vibration, while also preventing leakage of refrigerant gas during compression. The result is a far quieter and more efficient air conditioner.

- When the room temperature is up to or near the desired temperature, the Hisense Inverter Air Conditioner's compressor can run at a very low speed. Due to this effect, the condenser and evaporator appear bigger than its true capacity. The heat exchange becomes more efficient and the COP rises, which results in optimum energy saving.

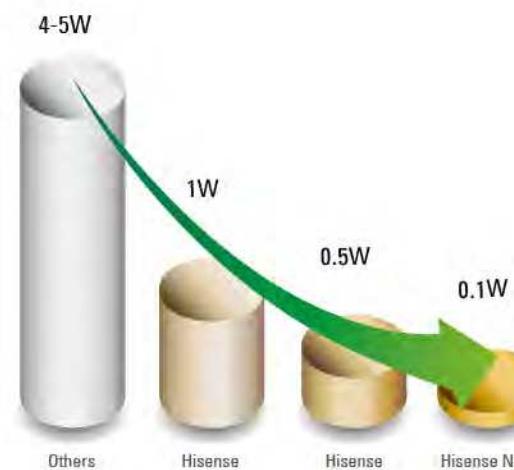
- Twin Rotary DC Inverter Compressor
- Brushless DC Motor
- Electronic Expansion Valve
- Full Process By DC Drive: High Efficiency
- Saving Over 50% More Energy
- Efficient Inner Grooved Tube
- Efficient Hydrophilic Aluminum



### ■ 0.1W Standby Power

Hisense has achieved 0.1W standby power consumption

Due to Switching Modulation and Power Supply Technology, There Is Almost 0.1w Power Consumption in The Standby Mode.

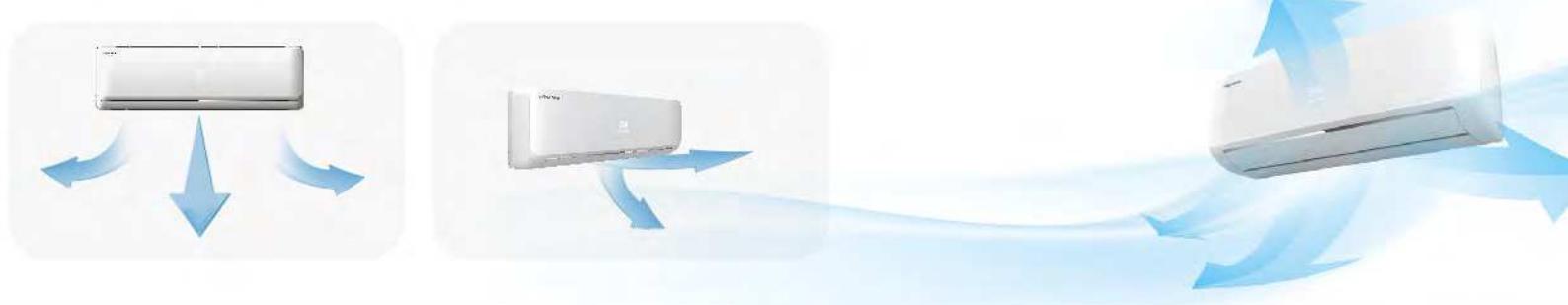


## Air Flow Technology

### ■ Long Distance Air Flow

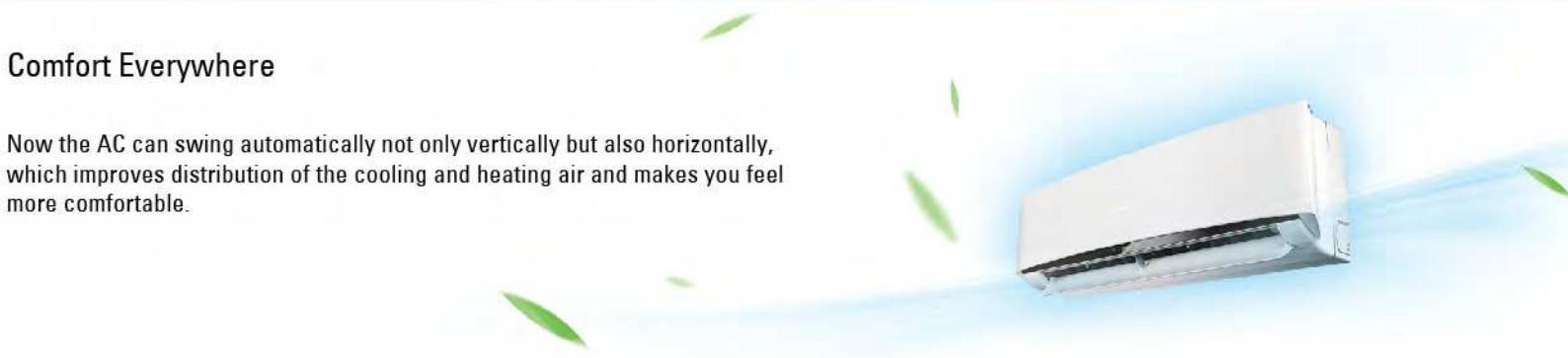


### ■ 4D Auto-swing



### ■ Comfort Everywhere

Now the AC can swing automatically not only vertically but also horizontally, which improves distribution of the cooling and heating air and makes you feel more comfortable.



### ■ 3D Inlet Air Flow

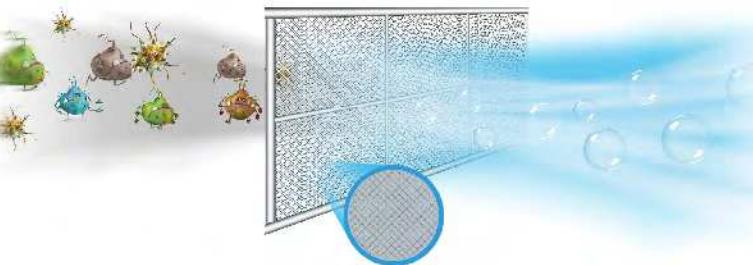
Hisense unique 3D inlet airflow and consummate technology ensure faster cooling and better heat exchange and brings a better and easier life.



## COOL & COMFORT

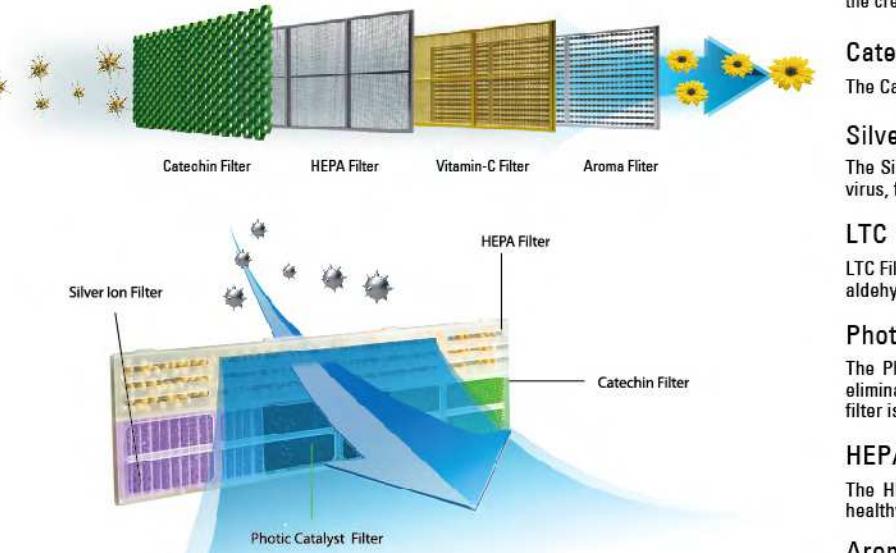
## Hisense Filter

### ■ High Density Filter



Compared with ordinary dust filter, this high density filter can remove more than 90% dust and other particle. Simply washing out the dust with flowing water, the filter keeps clean. You could enjoy fresh air all the time.

### ■ All-round Healthy Protection : 4-in-1 Filter



#### Vitamin-C Filter

The Vitamin-C Filter emits Vitamin-C through the air to everyone within range. Vitamin-C penetrates through your skin providing protection against ultraviolet rays, restraining active oxygen and promoting the creation of collagen.

#### Catechin Filter

The Catechin Filter removes odors and eliminates dirt and particles found in the air and room.

#### Silver Ion Filter

The Silver Ion Filter kills bacteria in the air and controls the growth of microbes, such as, bacteria, virus, fungi, and spores by destroying their inner configuration and absorbing the cells' elements.

#### LTC Filter

LTC Filter is a three-dimensional, oxidation, decomposing, low temperature catalyst that kills methyl aldehyde.

#### Photic Catalyst Filter

The Photic Catalyst Filter effectively eliminates pyococcus and other germs. This filter can also eliminate odors with a deodorizing ability equal to 500 active-carbon deodorants. The photic catalyst filter is easily replenished by placing it in the sun for 6-8 hours after 3-4 months of usage.

#### HEPA Filter

The HEPA Filter effectively eliminates pollen, mill dust and pneumo-bacillus, bringing fresh and healthy air to you.

#### Aroma Filter

This air-conditioner can make your room smell heavenly when you add your preferred perfume to the Aroma Filter.



## COOL & COMFORT

## Hisense Comfort

### ■ Low Noise



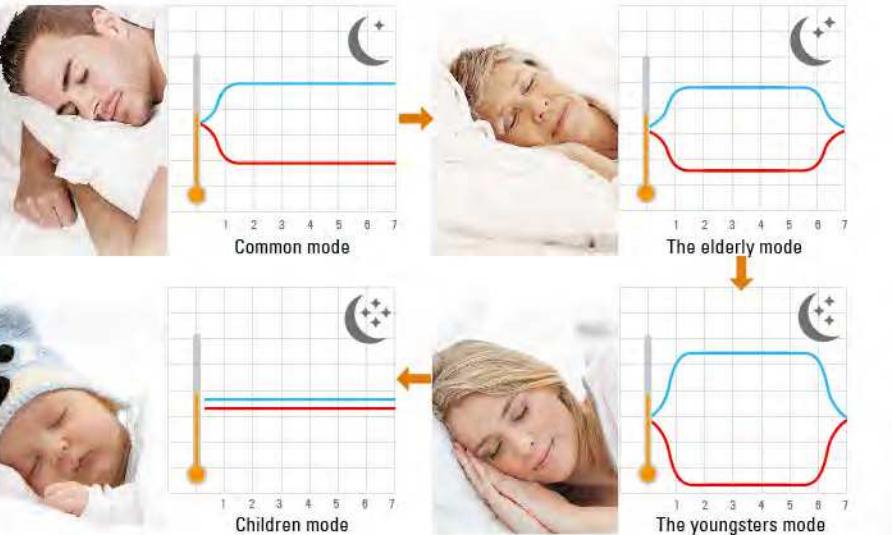
Optimization of the air tunnel helps the indoor unit deliver a better air distribution and significant air flow increase without any sound level and power consumption increase. This help the user feel more comfortable when using the super slim design

### ■ Smart Defrost



The Hisense 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.

### ■ Best Temperature For a Goodnight Sleep



Sweat dream comes true by HISENSE 4 sleeping cures.



### ■ Smart Mode



You only need to press 1 button to start the fuzzy logic operation which will give you comfortable enjoyment:

### ■ I Feel



The sensor in the wireless remote control allows it to sense the surrounding temperature and transmit the information to the indoor unit. The indoor unit operates according to the sensed temperature. Smart temperature controls present a more precise and comfortable environment while saving power.

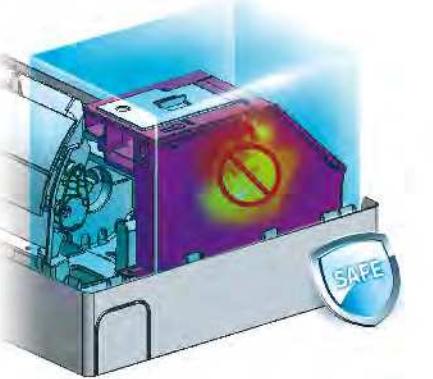
## Service-Friendly Design

A simple plug and fix design replaces the current screw assembly concept help to reduce the time of service.

Design For Assembly



Safety Metal Control Box



Outside Metal Shell

Internal Fireproof Plastic Case

Design For Service



### International Safety Standard

Every AC goes through 52 stringent tests as per American norms, including the IEC test, to ensure high safety standards.

### Fire Retardant Plastic & Connector

Self-retardant, non-hazardous, fire-grade plastic materials are used in Hisense new platform. In the case of a fire, these plastic materials will prevent the fire from spreading.

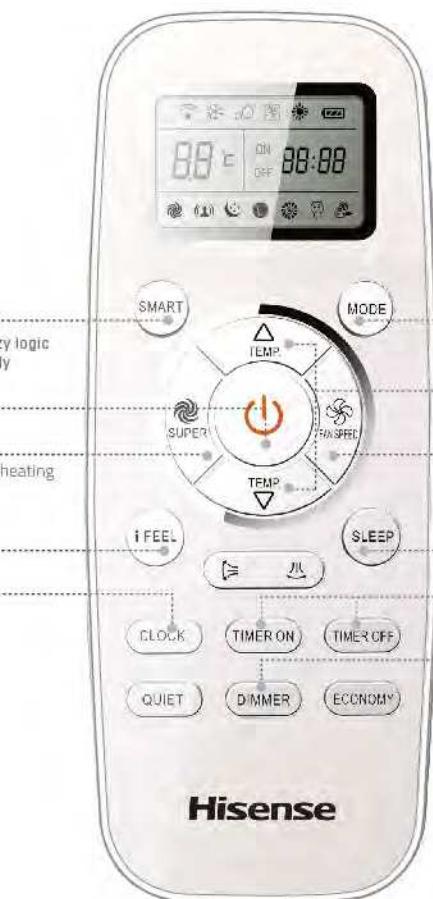
### Metal Control Box

The world's most safe design with the metal control box cover to the PCB to prevent any unnecessary damage to user home for unpredictable accident.

## Remote Control

### ■ The Remote Controller Transmits Signals To The System

Simple and clear icon design, better button layout and bigger buttons give you better control.



### Indication symbols on LCD:

Note: Each mode and relevant function will be further specified in following pages.

	Cooling mode		Auto fan speed
	Dry mode		High fan speed
	Fan only		Medium fan speed
	Heating mode		Low fan speed
	Sleep mode		Signal transmit
	Battery indicator		Display set timer
	Quiet mode		Display current time
	Economy mode		Display set temperature

## COOL &amp; COMFORT

## Line Up

EU ERP Product	Series	Technology	Capacity	7K	9K	12K	18K	24K	30K	36K	41K	48K	50K	60K	64K	
Wall-mounted type	Apple Pie	New ERP, SCOP A+													SC	
	Essence	New ERP, SCOP A+													TE	
	Iris	New ERP, SCOP A													TD	
	Curve	New ERP, SCOP A													SE	
	Pilot	Inverter													TF	
		On/Off													SF	
	Tri-Cool	On/Off													VT	
Portable & Dihumidifier	Asteria	Energy Class: A													J	
	Veza														L	
Light Commercial	Inverter Unitary	Outdoor Unit	50Hz													R410A DC Inverter
		Duct	50Hz													R410A DC Inverter
		Cassette	50Hz													R410A DC Inverter
		Ceiling & Floor	50Hz													R410A DC Inverter
	On\off Unitary	Outdoor Unit	50Hz													R410A On\Off
		Duct	50Hz													R410A On\Off

## COOL &amp; COMFORT

## Line Up

EU ERP Product	Series	Technology	Capacity	7K	9K	12K	18K	24K	30K	36K	41K	48K	50K	60K	64K
Light Commercial	On/off Unitary	Cassette	50Hz												R410A On/Off
		Ceiling & Floor	50Hz												R410A On/Off
	Free Match	Outdoor Unit						(16K)							R410A Inverter
		Apple Pie													R410A Inverter
		Essence													R410A Inverter
		Curve													R410A Inverter
		Duct													R410A Inverter
		Ceiling & Floor													R410A On/Off
		Cassette													R410A On/Off
Mini VRF	Hi-smart H series	Outdoor unit	50Hz												R410A Inverter
		Duct	50Hz												R410A Inverter
		Split	50Hz												R410A Inverter
		Cassette	50Hz												R410A Inverter
		Ceiling & Floor	50Hz												R410A Inverter
Floor Standing	Floor Standing	Floor Standing	50Hz												R410A On/Off

Hisense Wall-mounted type



Apple Pie



# Hisense Wall-mounted type Apple Pie





















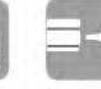
























Standard

Optional

**R-410A A+**





9000 Btu/h  
12000 Btu/h

18000 Btu/h

Model	AS-09UR4SVPSC5			AS-12UR4SVPSC5			AS-18UR4SFFSC						
Pdesign													
Pdesign Cooling	W				2600				3500	5000			
Pdesign Heating (Average)	W				2500				3200	4800			
SEER										6.40	5.80		
SCOP										4.00	3.80		
Energy Class	Cooling	Heating							A++	A++			
										A+	A+		
Rating Capacity													
Cooling capacity	W									2600(1600-3300)	3500(1600-4000)		
Heating Capacity	W									2800(1600-3000)	3800(1600-4100)		
Electrical data													
Voltage, Frequency, Phase												V~,Hz,ph	
Power input	Cooling												220-240V~/50Hz
Power input	Heating												740(400-1250)
Rated Current												1060(440-1450)	
Performance												735(440-1300)	
EER												3.6/4.0	
COP												4.7/4.7	
Air flow												3.51	
Noise level (Sound Power)												3.81	
Indoor												3.30	
Indoor(Max)												500	
Outdoor												600	
Net Dimension & Weight												3.65	
Indoor unit												55	
Outdoor unit												60	
Net Weight												64	
Gross Dimension & Weight												65	
Indoor unit												1015x320x158	
Outdoor unit												715x482x240	
Net Weight												11.5/28	
Gross Dimension & Weight												1015x320x158	
Indoor unit												715x482x240	
Outdoor unit												830x629x285	
Net Weight												11.5/29	
Gross Dimension & Weight												1116x352x196	
Indoor unit												1110x410x260	
Outdoor unit												830x530x315	
Net Weight												11.45	
Gross Weight												1206x440x294	
Indoor/Outdoor												980x665x385	
Connection pipe size												14/30	
Gas												14/31	
Liquid												14/49	
Applicable Area												1/4	
Loading capacity												3/8	
20/40/40HQ												9-18	
												15-25	
												20-36	
												74/152/175	
												118/240/272	
												118/240/272	
												118/240/272	

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2.The values given in the table for noise level reflect the levels in anechoic chamber.

31

32

## Hisense Wall-mounted type



## Essence



## Hisense Wall-mounted type Essence





Colorful Necklace: Feast your room



Low Temperature Heating (-15°C)



Super Silent



Left or Right Draining

Standard
 Optional






9000 Btu/h  
12000 Btu/h

Model		AS-09UR4SVETE1	AS-12UR4SVETE1
Pdesign		2600	3500
Pdesign Cooling	W	2500	3500
Pdesign Heating (Average)	W	6.80	6.80
SEER		4.00	4.00
SCOP		A++	A++
Energy Class	Cooling Heating	A+	A+
Rating Capacity			
Cooling capacity	W	2600(1600-3300)	3500(1600-4000)
Heating Capacity	W	2800(1600-3000)	3800(1600-4100)
Electrical data	V~.Hz.ph	220-240V~/50Hz	220-240V~/50Hz
Power input	Cooling Heating	720(390-1250)	1045(420-1450)
Power input	W	700(420-1300)	995(440-1600)
Rated Current	Cooling/Heating	A	A
Performance		3.4/3.3	4.6/4.4
EER		3.61	3.35
COP		4.00	3.82
Air flow	Indoor	m³/h	600
Noise level (Sound Power)	Indoor(Max) Outdoor	dB(A)	56 64
Net Dimension & Weight			
Indoor unit	WxHxD	mm	850x270x208
Outdoor unit	WxHxD	mm	715x482x240
Net Weight	Indoor/Outdoor	kg	8.5/28
Gross Dimension & Weight			
Indoor unit	WxHxD	mm	900x335x260
Outdoor unit	WxHxD	mm	830x530x315
Gross Weight	Indoor/Outdoor	kg	10/30
Connection pipe size			
Gas		inch	1/4
Liquid		inch	3/8
Applicable Area		m²	9-18
Loading capacity		sets	140/285/335
20'/40'/40HQ			140/285/335

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2.The values given in the table for noise level reflect the levels in anechoic chamber.

Hisense Wall-mounted type



Iris



## Hisense Wall-mounted type Iris



Standard

Optional

R410A

A

		AS-09UR4SVTD5	AS-12UR4SVTD5	AS-18UR4SFATD5	AS-24UR4SDBDTDS
Model					
Pdesign		W	2600	3500	5000
Pdesign Cooling		W	2400	3200	5000
Pdesign Heating (Average)					
SEER			6.10	6.10	5.60
SCOP			3.80	3.80	3.80
Energy Class	Cooling	A++	A++	A+	A+
	Heating	A	A	A	A
Rating Capacity					
Cooling capacity		W	2600(1600-3300)	3500(1600-4000)	5000(2500-5750)
Heating Capacity		W	2800(1600-3000)	3800(1600-4100)	5300(2250-6250)
Electrical data		V~Hz,ph	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz
Power input	Cooling	W	785(400-1250)	1060(440-1450)	1555(650-2250)
Power input	Heating	W	735(440-1300)	1025(460-1500)	1465(600-2100)
Rated Current	Cooling/Heating	A	3.7/3.5	4.7/4.6	7/6.6
Performance					
EER		W/W	3.31	3.30	3.25
COP		W/W	3.81	3.71	3.62
Air flow	Indoor	m³/h	500	600	850
Noise level (Sound Power)	Indoor(Max)	dB(A)	56	56	60
	Outdoor	dB(A)	64	64	65
Net Dimension & Weight					
Indoor unit	WxHxD	mm	780x270x208	850x270x208	960x315x230
Outdoor unit	WxHxD	mm	715x482x240	715x482x240	830x629x285
Net Weight	Indoor/Outdoor	kg	8/28	8.5/29	12/39
Gross Dimension & Weight					
Indoor unit	WxHxD	mm	830x335x260	900x335x260	1022x380x302
Outdoor unit	WxHxD	mm	830x530x315	830x530x315	980x665x385
Gross Weight	Indoor/Outdoor	kg	9.5/30	10/31	15/43
Connection pipe size					
Gas		inch	1/4	1/4	1/4
Liquid		inch	3/8	3/8	1/2
Applicable Area		m²	9-18	15-25	20-36
Loading capacity		sets	148/298/345	140/285/335	81/170/195
20/40/40HQ					

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2.The values given in the table for noise level reflect the levels in anechoic chamber.

Hisense Wall-mounted type



Curve



HISENSE WALL-MOUNTED TYPE  
**CURVE**

# Hisense Wall-mounted type Curve



**Hisense**



Low Temperature Heating (-15°C)



I Feel














Standard

Optional

**R410A A**





9000 Btu/h  
12000 Btu/h
18000 Btu/h
24000 Btu/h

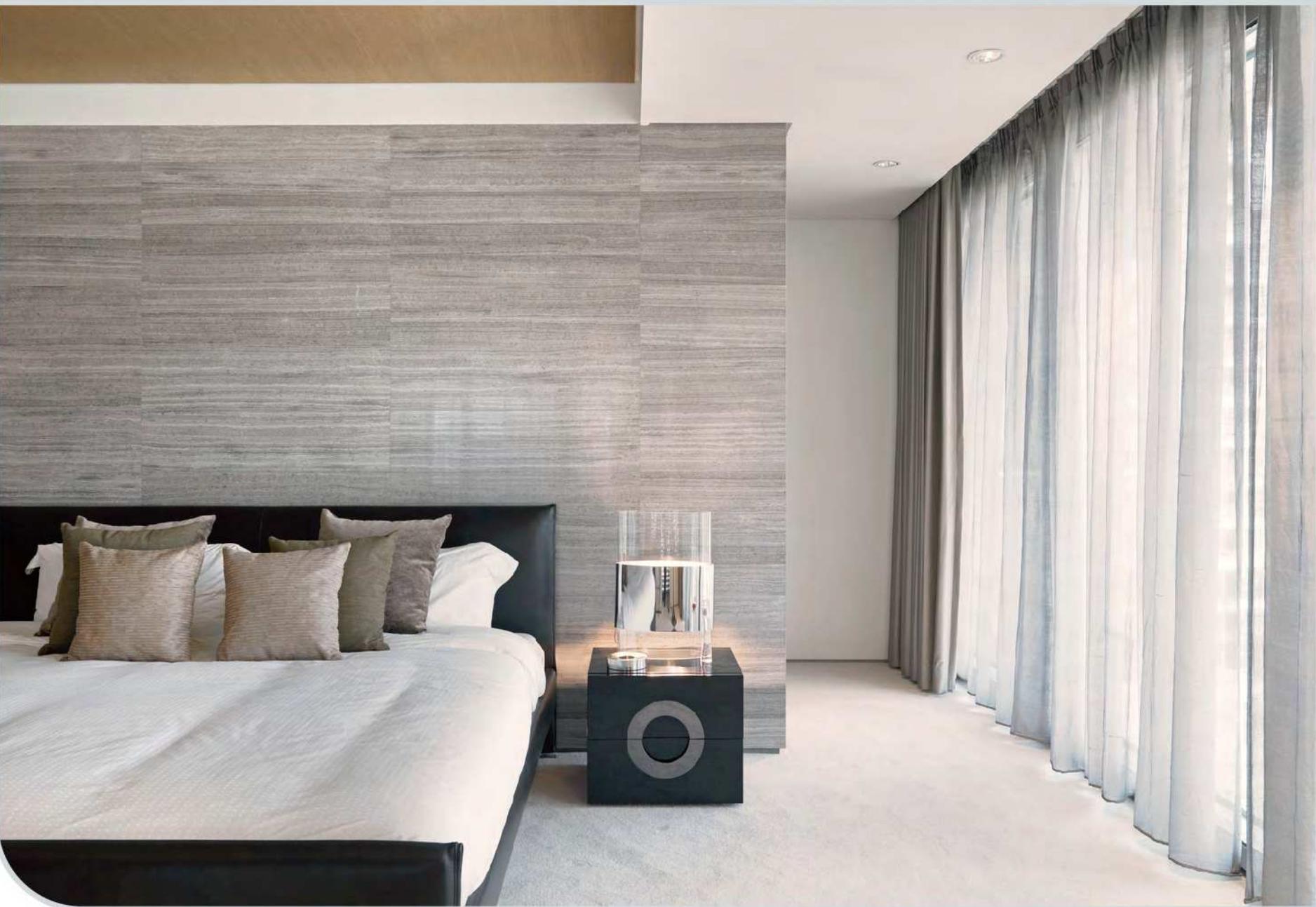
Model	AS-09UR4S5GSE5	AS-12UR4S5GSE5	AS-18UR4S5FSE5	AS-24UR4SDSE5
Pdesign				
Pdesign Cooling	W	2600	3500	5000
Pdesign Heating (Average)	W	2400	3200	4800
SEER		6.10	5.60	6.10
SCOP		3.80	3.80	3.80
Energy Class	Cooling Heating	A++ A	A+- A	A++ A
Rating Capacity				
Cooling capacity	W	2600(1600-3300)	3500(1600-4000)	5000(1800-5800)
Heating Capacity	W	2800(1600-3000)	3800(1600-4100)	5200(1700-6500)
Electrical data				
Voltage, Frequency, Phase	V~Hz.ph	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz
Power input:	Cooling Heating	785(400-1250) 735(440-1300)	1090(440-2000) 1050(460-1500)	1515(400-2000) 1405(400-2100)
Rated Current	Cooling/Heating	A	3.7/3.5	4.8/4.8
Performance				
EER	W/W	3.31	3.21	3.30
COP	W/W	3.81	3.61	3.70
Air flow	Indoor Outdoor	m³/h dB(A)	600 54	600 55
Noise level (Sound Power)	Indoor(Max) Outdoor	dB(A)	64	65
Net Dimension & Weight				
Indoor unit	WxHxD	mm	820X270X210	820X270X210
Outdoor unit	WxHxD	mm	715x482x240	715x482x240
Net Weight	Indoor/Outdoor	kg	8.5/28	8.5/29
Gross Dimension & Weight				
Indoor unit	WxHxD	mm	910X380X285	910X380X285
Outdoor unit	WxHxD	mm	830x530x315	830x530x315
Gross Weight	Indoor/Outdoor	kg	10/30	10/31
Connection pipe size				
Gas		inch	1/4	1/4
Liquid		inch	3/8	3/8
Applicable Area	m²		9-18	15-25
Loading capacity	sets		127/255/296	127/255/296
20'/40'/40HQ				
			81/169/198	42/92/92

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2.The values given in the table for noise level reflect the levels in anechoic chamber.

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Hisense Wall-mounted type



HISENSE WALL-MOUNTED TYPE  
**PILOT**

# Hisense Wall-mounted type Pilot



**Hisense**



Low Temperature Heating (-15°C)



1W standby



SELF



AUTO



Auto Defrost



24h Timer



Anti-Cold Air Function



I Feel



Smart Running



Ultra Wide Horizontal Louver



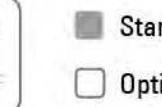
Hi Density Filter



Long Distance Air Flow



4 sleeping curves



16-30°C Temperature control

Standard

Optional

**R-410A DC INVERTER**



9000 Btu/h  
12000 Btu/h



18000 Btu/h



24000 Btu/h

Model	A5-09UR45VDTF	AS-12UR45VDTF	AS-18UR45UATF	AS-24UR45FBTF
<b>Capacity</b>				
Cooling	W	2600(1700-3000)	3500(1700-3500)	5000(2400-5500)
Heating	W	2900(1700-3500)	3800(1700-4000)	5100(2400-5500)
<b>Electrical data</b>				
Voltage, Frequency, phase	V~Hz, ph	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz
Power input	Cooling W	810(510-1150)	1090(550-1450)	1558(640-2100)
Power input	Heating W	803(500-1500)	1053(500-1600)	1413(560-2200)
Rated Current	Cooling/Heating A	3.8/3.7	54.8	7.2/6.4
<b>Performance</b>				
EER	W/W	3.21	3.21	3.21
COP	W/W	3.61	3.61	3.61
Air flow	Indoor m³/h	500	500	900
Noise level (Sound pressure)	Indoor(H/L) dB(A)	39/29	39/29	46/36
	Outdoor dB(A)	53	54	56
<b>Net Dimension &amp; Weight</b>				
Indoor unit	WxHxD mm	780x270x202	780x270x202	960x315x230
Outdoor unit	WxHxD mm	715x482x240	715x482x240	800x553x273
Net Weight	Indoor/Outdoor kg	7.5/26	7.5/28	11.5/34
<b>Gross Dimension &amp; Weight</b>				
Indoor unit	WxHxD mm	830x335x260	830x335x260	1022x380x302
Outdoor unit	WxHxD mm	830x530x315	830x530x315	930x620x360
Gross Weight	Indoor/Outdoor kg	9/28	9/30	14.5/38
<b>Connection pipe size</b>				
Gas	inch	1/4	1/4	1/4
liquid	inch	3/8	3/8	1/2
Applicable Area	m²	9-18	15-25	20-36
Loading capacity	sets	148/298/345	148/298/345	85/182/214
20'/40'/40HQ				
Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2.The values given in the table for noise level reflect the levels in anechoic chamber.				

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# Hisense Wall-mounted type Pilot



**Hisense**




Super Cooling & Heating
1W standby
Self-Diagnosis and Auto Protection Function
Auto Restart Function
Auto Defrost
24h Timer
Anti-Cold Air Function
I Feel
Smart Running

Standard
 Optional

**R-410A**

Model	AS-07HR4SYDTF	AS-09HR4SYDTF	AS-12HR4SVDTF	AS-18HR4SWATF	AS-24HR4SFBTF	AS-30HR4SOBTF		
Capacity								
Cooling	W	2100	2600	3500	5000	6500		
Heating	W	2200	2700	3600	5200	6700		
Electrical data								
Voltage, Frequency, phase	V~, Hz, ph	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz		
Power input	Cooling	W	655	810	1090	1558		
Power input	Heating	W	610	748	995	1440		
Rated Current	Cooling/Heating	A	2.9/2.7	3.6/3.3	5/4.5	7.1/7		
Performance								
EER	W/W	3.21	3.21	3.21	3.21	3.21		
COP	W/W	3.61	3.61	3.62	3.61	3.61		
Air flow	Indoor	m³/h	460	480	500	800		
Noise level (Sound pressure)	Indoor(H/L)	dB(A)	38/33	40/35	40/35	46/39		
	Outdoor	dB(A)	52	52	55	58		
Net Dimension & Weight								
Indoor unit	WxHxD	mm	780x250x192	780x250x192	780x250x192	955x315x226	1062x316x228	1131x315x230
Outdoor unit	WxHxD	mm	660x482x240	660x482x240	715x482x240	760x545x255	830x629x285	832x702x312
Net Weight	Indoor/Outdoor	kg	8/22	8/22	8/28	11/36	13/42	13/54
Gross Dimension & Weight								
Indoor unit	WxHxD	mm	840x245x325	840x245x325	840x245x325	1047x380x297	1130x400x310	1220x400x310
Outdoor unit	WxHxD	mm	780x530x315	780x530x315	830x530x315	890x580x350	980x665x385	980x770x420
Gross Weight	Indoor/Outdoor	kg	9.5/24.5	9.5/24.5	9.5/31.5	14/40	16/46	16/58
Connection pipe size								
Gas		inch	1/4	1/4	1/4	1/4	3/8	3/8
liquid		inch	3/8	3/8	1/2	1/2	5/8	5/8
Applicable Area		m²	7-13	9-18	15-25	20-36	25-50	30-55
Loading capacity								
20'/40'/40HQ	sets		158/318/370	158/318/370	148/298/350	107/210/236	78/157/183	64/131/147

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2. The values given in the table for noise level reflect the levels in anechoic chamber.

Hisense Wall-mounted type



Tri-Cool



## Hisense Wall-mounted type Tri-Cool



**R-410A** 

Hisense

7000 Btu/h  
9000 Btu/h

12000 Btu/h

18000 Btu/h

24000 Btu/h

		Model	AS-07HR4SYNSF	AS-09HR4SYNSF	AS-12HR4SVNSF1	AS-18HR4SVVVF	AS-24HR4SFJVF
Capacity							
Cooling	Heating	W	2100	2500	3200	5000	6500
		W	2200	2550	3200	5100	6800
Electrical data							
Voltage, Frequency, Phase		V~Hz/ph	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz
Power input	Cooling	W	655	780	997	1558	2025
Power input	Heating	W	610	706	886	1413	1885
Rated Current	Cooling/Heating	A	2.9/2.7	3.5/3.2	4.4/3.9	7.1/7	10.1/10.1
Performance							
EER		W/W	3.21	3.21	3.21	3.21	3.21
COP		W/W	3.61	3.61	3.61	3.61	3.61
Air flow	Indoor	m³/h	460	480	540	800	960
Noise level (Sound pressure)	Indoor(H/L)	dB(A)	37/32	40/35	40/35	46/39	50/43
	Outdoor	dB(A)	52	52	55	58	58
Net Dimension & Weight							
Indoor unit	WxHxD	mm	780×250×192	780×250×192	780×250×192	955×315×226	1062×316×228
Outdoor unit	WxHxD	mm	660×482×240	660×482×240	715×482×240	760×545×255	830×629×285
Net Weight	Indoor/Outdoor	kg	7/22	7.3/23	7.5/26	11/36	13/42
Gross Dimension & Weight							
Indoor unit	WxHxD	mm	840×245×325	840×245×325	840×245×325	1047×380×297	1130×400×310
Outdoor unit	WxHxD	mm	780×530×315	780×530×315	830×530×315	890×580×350	980×665×385
Gross Weight	Indoor/Outdoor	kg	8/24	9/25	9/28	14/40	16/46
Connection pipe size							
Gas		inch	1/4	1/4	1/4	1/4	3/8
Liquid		inch	3/8	3/8	1/2	1/2	5/8
Applicable Area		m²	7-13	9-18	15-25	20-36	25-50
Loading capacity							
20/40/40HQ	sets		158/318/370	158/318/370	148/298/350	107/210/236	78/157/183

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2.The values given in the table for noise level reflect the levels in anechoic chamber.

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Hisense Wall-mounted type



Breeze



HISENSE WALL-MOUNTED TYPE  
**BREEZE**

# Hisense Wall-mounted type Breeze



**Hisense**

**25**

Standard
 Optional

**R410A**

7000 Btu/h 9000 Btu/h	12000 Btu/h	18000 Btu/h	24000 Btu/h	30000 Btu/h	36000 Btu/h

Model	AS-07HR4S/NVT1	AS-09HR4S/NVT1	AS-12HR4S/NVT3	AS-18HR4S/WVT1	AS-24HR4SF/WVT	AS-30HR4S0KVT	AS-36HR4SDKVT
<b>Capacity</b>							
Cooling	W	2050	2500	3500	4800	6100	8792
Heating	W	2050	2700	3600	4800	6200	9066
<b>Electrical data</b>							
Voltage, Frequency, Phase	V~,Hz,ph	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz
Power input	Cooling W	785	955	1341	1840	2335	3129
Power input	Heating W	730	960	1277	1710	2205	3018
Rated Current	Cooling/Heating A	3.7/3.4	4.5/4.3	6.1/5.8	8.2/7.6	10.4/9.8	14/13.5
<b>Performance</b>							
EER	W/W	2.61	2.62	2.61	2.61	2.61	2.81
COP	W/W	2.81	2.82	2.82	2.81	2.81	3.01
Air flow	Indoor m³/h	480	480	540	800	960	960
Noise level (Sound pressure)	Indoor(H/L) dB(A)	39/30	39/34	40/35	46/39	46/39	48/41
	Outdoor dB(A)	53	53	56	58	58	62
<b>Net Dimension &amp; Weight</b>							
Indoor unit	WxHxD mm	750x250x190	750x250x190	750x250x190	920x313x226	920x313x226	1280x345x250
Outdoor unit	WxHxD mm	660x482x240	660x482x240	715x482x240	760x545x255	830x629x285	832x702x312
Net Weight	Indoor/Outdoor kg	7/23	7.3/23	7.5/26	11/33	11.5/41	13/54
<b>Gross Dimension &amp; Weight</b>							
Indoor unit	WxHxD mm	800x325x245	800x325x245	800x325x245	1010x380x300	1010x380x300	1365x435x325
Outdoor unit	WxHxD mm	780x530x315	780x530x315	830x530x315	890x580x350	980x665x385	980x770x420
Gross Weight	Indoor/Outdoor kg	8/25	9/25	9/28	13.5/36.5	14/46	16/58
<b>Connection pipe size</b>							
Gas	inch	1/4	1/4	1/4	1/4	3/8	3/8
Liquid	inch	3/8	3/8	1/2	1/2	5/8	5/8
Applicable Area	m²	7-13	9-18	15-25	20-36	25-50	30-55
Loading capacity	sets	160/320/380	160/320/380	148/298/350	107/210/236	81/169/198	64/130/145
Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2.The values given in the table for noise level reflect the levels in anechoic chamber.							

Portable

Portable

## Asteria



### ■ Self Evaporative System

No need to empty bucket often, and cooling capacity improved.



### ■ Convenient Remote storage

Convenient Remote storage.



### ■ Remote Controller With 24H Real Timer And LED Display

can be set time on and time off simultaneously.  
Step by 1 minute



### ■ Intelligent operation

with Smart Mode, Super Cool Mode, Sleep Mode.



- User Friendly control & Display
- Automatic Double Vertical Louver
- 24H real timer
- 4 Casters For Easy Moving
- Self Evaporative System
- Independent Dehumidify
- SELF
- Self-Diagnosis and Auto Protection Function
- MultiLayer air purifying technology (optional)
- Drain Hose Connector

Standard

Optional



9000 Btu/h  
12000 Btu/h

Model	AP-09CR4SEJS	AP-09DR4SEJS	AP-12CR4SFJS	AP-12DR4SFJS
<b>Capacity</b>				
Cooling Capacity	W	2500	2500	3517
Power Input	W	958	958	1348
Heater	W	N.a	2000	N.a
<b>Performance</b>				
EER	W/W	2.61	2.61	2.61
Energy Class		A	A	A
Air Circulation	M <sup>3</sup> /h	400	380	430
Sound Level (Sound Power)	dB(A)	64	64	65
Noise Level (Sound Pressure) H/L	dB(A)	53/50	53/50	58/53
<b>Electrical Data</b>				
Voltage, Frequency, Phase		220-240, 50, 1	220-240, 50, 1	220-240, 50, 1
<b>Other</b>				
Net Dimension	WxHxD mm	430x690x325	430x690x325	443x750x375
Net Weight	Kg	22	23	37
Package Dimension	WxHxD mm	480x880x380	480x880x380	500x890x425
Gross Weight	Kg	26	27	45
Loading Capacity	(20'/40'/40'HC) Sets	148/302/447	148/302/447	120/256/375

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2.The values given in the table for noise level reflect the levels in anechoic chamber.

## Dehumidifier

## Dehumidifier

## Veza



## ■ Big button big display

Friendly operation interface  
easy to use.



## ■ Detachable filter

No need to remove the bucket.



## ■ Power cord storage design

Convenient power cord management.



## ■ Built-in pump for water evacuation

CHINA Patent NO: 201210568907.9  
Pump's technique exclusive for Hisense product.



## ■ Integrated handle and casters

Makes moving a breeze.



Standard  
 Optional

User Friendly control & Display  
Multi-layer air purifying technology(optional)  
Hidden Handle & power cord storage design

Splashing - preventing water tank  
Auto Restart Function

30%-80% Free humidity setting

Ultralow ambient temperature Operation(3 °C)

Room and setting humidity display

Four castors and carry handle for easy move

Optional Water Pump



10L  
12L  
16L  
20L  
24L

Model	T10L	T12L	T16L	Z20L	Z24L	
Product Image						
Hisense Model Number	DH-10K4SK5	DH-12K4SK5	DH-16K4SK5	DH-20K4SK5	DH-24K4SK5	
Performance						
Dehumidification (30°C CRH 80%) L/Day	10.0	12.0	16.0	20.0	24.0	
Power Supply						
Voltage, Frequency, Phase	V, Hz, Ph	220~240V, 50Hz, 1Ph				
Air Flow High/Low	m³/h	150.0	150.0	150.0	150.0	150.0
Rated Input (30°C CRH 80%) W		376.0	376.0	423.0	423.0	705.0
Rated Current (30°C CRH 80%) A		1.6	1.6	1.8	1.8	3.0
Noise Levels - High/Low	dB (A)	53/50	53/50	53/50	53/50	53/50
Other						
Net Dimensions WxHxD (mm)	Indoor Unit	356x505x272	356x505x272	356x505x272	356x505x272	356x505x272
Net Weight (Kg)	Indoor Unit	14.3	14.3	14.3	14.3	14.3
Packing Dimensions WxHxD (mm)	Indoor Unit	402x533x323	402x533x323	402x533x323	402x533x323	402x533x323
Gross Weight (Kg)	Indoor Unit	15.4	15.4	15.8	15.8	15.8
Loading Capacity (40'HC)		1070	1070	1070	1070	1070

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2.The values given in the table for noise level reflect the levels in anechoic chamber.

## Light Commercial Air Conditioner



**LIGHT COMMERCIAL  
AIR CONDITIONER**

## R410A Inverter Series

### Technology & Feature

#### ■ Wide Operating Range

Outdoor Unit: Heating: -10~24°C, cooling: 15~48°C



#### ■ High Efficiency

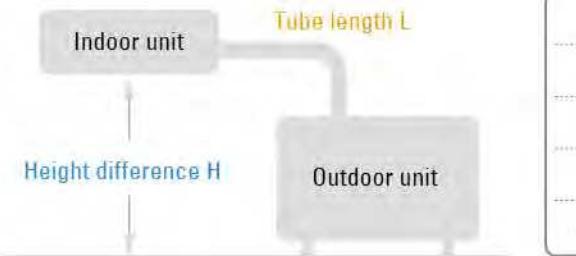


##### 360 ° High efficiency DC inverter twin rotary compressor

360 ° DC inverter drive technology, achieve a truly consistency between compressor driven direction and rotor direction at all times, minimize energy loss, then compressor will run more smoothly and efficiently.

#### ■ The Control Technique For Oil Recycle

Height difference & long piping design, making installation easier.



Model	Max.Tube Length L	Max.Tube Difference H	Add.Refrigerant exceed 5m
18k	15m	7.5m	15g/m
24k	20m	10m	35g/m
36k	30m	15m	35g/m
48k/60k	50m	15m	35g/m

#### ■ Dual Core PCB Board



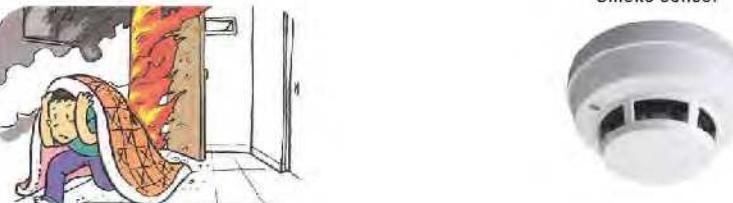
More concisely control: By Dual PCB control, the system reads the operating status timely in order to achieve optimal control, smart defrosting etc.

Comprehensive power protection: By Dual PCB control, the system will comprehensively prevent the damage or danger caused by improper power input.

#### ■ Hotel Room Card Control



#### ■ Fire Linkage Control



## R410A Inverter Series

## Duct type

### Duct type

#### ■ Optional Static Pressure

18k: optional 10Pa & 30Pa static pressure, each unit can be installed in two ways

10Pa: Straight Air Flow without external duct

30Pa: External duct placed on air discharge

Two installation methods by changing wiring connection.

Note: Default settings is 10pa by factory.

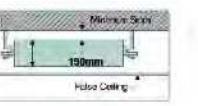


Front air flow,  
bottom air intake



Front air flow,  
back air intake

#### ■ Slim Design



With a height of 190mm may be easily installed  
inside the low height residential ceiling.

#### ■ Water Level Switch & Water Pump



If the water pump has problem caused water level rise, the water level switch will rise to certain level, and then the unit will be turned off and release water.

Water Pump is optional for duct type unit

#### ■ 2 Ways of Air Intake

**Advantages:** If the distance between unit and wall is limited, then you can choose bottom air intake by tearing down the bottom board of the unit, it will be much easier and more flexible.

**Note:** The noise of bottom air intake is 5dB higher than back air intake, so we recommend to use the back air intake.



Bottom air intake



Back air intake

#### ■ Built-in Drain Pan

**Disadvantage of outside drain pan:** It is easy to adhere dust and bacterium, which will cause leakage in a long term. Hisense Built-in drain pan design: will be clean and durable.



Built-in Drain Pan



Outside Drain Pan

#### ■ Safety Protection



Ensure the compressor operate in the safe range, and prevent damage caused by refrigerant leakage.



Model number: Indoor model: Outdoor model:	AUD-18UX4SZKL1 AUD-18UX45KL1 AUW-18U45Z1	AUD-24UX4SALH1 AUD-24UX45LH1 AUW-24U45A1	AUD-36UX4SAMH1 AUD-36UX45MH1 AUW-36U45A1	AUD-48UX6SPHH AUD-48UX45HH AUW-48U6SP	AUD-60UX6SPHH AUD-60UX45HH AUW-60U6SP
Performance					
Pdesign (W)	Cooling Heating	5000 5000	7000 8000	9200 9500	— —
SEER		5.6	5.6	5.1	—
SCOP		3.8	3.8	3.8	—
Energy Class	Cooling Heating	A+	A+	A	A
Energy Class		A	A	A	A
Cooling Capacity (W)	5000(1200-6500)	7000(1500-7800)	9200(3600-10500)	12600(5500-13500)	17000(6200-18000)
Heating Capacity (W)	5600(1800-7200)	8100(1800-10000)	11000(3050-13800)	15000(4000-18000)	20500(6400-21000)
Rated Input (w)	Cooling Heating	1500 1600	2300 2650	3050 3250	3920 4150
Air Circulation (m³/h)		850	1100	1800	2000
EER for Cooling (w/w)		3.33	3.04	3.02	3.21
COP for Heating (w/w)		3.50	3.06	3.38	3.63
Noise Level (Sound Pressure dB (A))	Indoor Unit Max	41	49	45	53
Noise Level (Sound Power dB (A))	Indoor Unit Max	54	61	56	—
ESP (Pa)		10(30)	30(10,50,80)	30(10,50,80)	80(120)
Power Supply					
Volt/Phase/Hz		220-240V~/1P/50Hz	220-240V~/1P/50Hz	220-240V~/1P/50Hz	380V~/3P/50Hz
Rated Current (A)	Cooling Heating	6.8 7.3	10.2 11.5	13.9 13.1	7.5 8.0
Piping					
Diameter(Liquid)	Inch	1/4	3/8	3/8	3/8
Diameter(Gas)	Inch	1/2	5/8	5/8	3/4
Max Length	m	15	30	30	50
Max Height	m	10	20	20	30
Other					
Dimensions WxHxD (mm)	Indoor Unit	1170x190x447	900x270x720	1300x270x720	1386x350x800
Net Weight (Kg)	Indoor Unit	24	32	43	50
Packing Dimensions WxHxD (mm)	Indoor Unit	1340x236x580	1170x340x870	1570x340x870	1550x410x940
Gross Weight (Kg)	Indoor Unit	28	37	51	58
Loading Capacity (20/40/40' HC)		54/114/121	36/74/80	28/56/66	19/40/42



18000 Btu/h      24000 Btu/h      36000 Btu/h  
48000 Btu/h      60000 Btu/h

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2. The values given in the table for noise level reflect the levels in anechoic chamber.

## R410A Inverter Series

## Cassette

## Cassette Type

## ■ Low Noise Fan

New design of the vortex fan



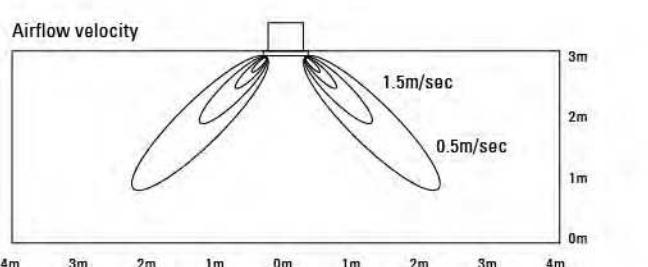
New vortex fan optimises air tunnel, lower noise and smoother air flow.

## ■ DC Fan Motor



- 24k/36k/48k/60k: Using the DC Fan Motor, high efficiency and energy saving
- Low noise: AC motors will produce low frequency noise during operation, but DC motors won't have this issue.
- Stable operation

## ■ Temperature Compensation of Cassette



For Cassette type heating mode, people do not always feel warm enough because the hot air stay at the top level. Hisense Cassette bring 4 level temperature compensation setting by DIP switch. The unit will increase the fan speed and air circulation to create a comfortable environment for people.



Model number: Indoor model: Outdoor model:	AUC-18UR4SZA1 AUC-18UR4SAA1 AUW-18U4SZT	AUC-24UR4SEA1 AUC-24UR4SEA1 AUW-24U4SA1	AUC-36UR4SEA1 AUC-36UR4SEA1 AUW-36U4SA1	AUC-48UR6SPFA AUC-48UR4SFA AUW-48U6SP	AUC-60UR6SPFA AUC-60UR4SFA AUW-60U6SP
Performance Pdesign (W)	Cooling Heating	5000 5000	7000 8000	9000 9200	— —
SEER SCOP		5.6 3.8	5.6 3.8	5.1 3.8	— —
Energy Class Energy Class	Cooling Heating	A+	A+	A A	A A
Cooling Capacity (W) Heating Capacity (W)		5000(1200-6500) 5600(1800-7200)	7000(2200-8000) 8200(2500-10000)	9500(3600-10500) 11000(3050-13800)	12600(5500-13500) 15000(4000-18000)
Rated Input (w)	Cooling Heating	1490 1750 850	2300 2730 1100	3070 3100 1600	3720 3950 2000
Air Circulation (m³ Max) EER for Cooling (w/w) COP for Heating (w/w)		3.36 3.20	3.04 3.00	3.09 3.55	3.39 3.80
Power Supply Volt/Phase/Hz		220-240V~/1P/50Hz	220-240V~/1P/50Hz	220-240V~/1P/50Hz	380V~/3P/50Hz
Rated Current (A)	Cooling Heating	6.6 7.8	10.1 12.2	13.4 13.5	6.5 7.0
Noise Level (Sound Pressure dB (A)) NoiseLevel (Sound Power dB (A))	Indoor Unit Indoor Unit	Max Max	48 58	50 53	49 61
Piping					
Diameter(Liquid)	Inch	1/4	3/8	3/8	3/8
Diameter(Gas)	Inch	1/2	5/8	5/8	3/4
Max Length	m	15	30	30	50
Max Height	m	10	20	20	30
Drain-up height	m	1.2	1.2	1.2	1.2
Other					
Dimensions WxHxD (mm)	Panel Indoor Unit	650x30x650 650x270x570	950x37x950 840x248x840	950x37x950 840x248x840	950x37x950 840x298x840
Net Weight (Kg)	Panel Indoor Unit	2.4 2.1	6 24	6 26	6 29
Packing Dimensions WxHxD (mm)	Panel Indoor Unit	730x130x730 770x310x750	990x115x1010 930x290x930	990x115x1010 930x340x930	990x115x1010 930x340x930
Gross Weight (Kg)	Panel Indoor Unit	5 25.5	7.5 30	7.5 32	7.5 35
Loading Capacity (20'/40'/40HQ)		48/102/117	32/66/75	32/66/75	23/48/53

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2. The values given in the table for noise level reflect the levels in anechoic chamber.

## R410A Inverter Series

## Ceiling &amp; Floor

## Ceiling &amp; Floor Type

## ■ Two Types Installation

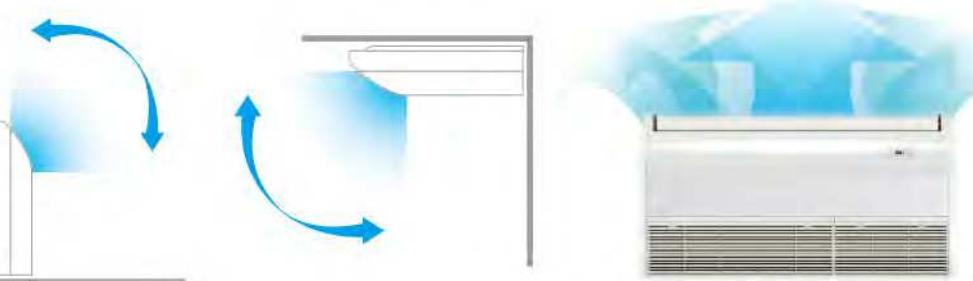
Fashionable design and Streamline appearance  
Huge air outlet with an integrative large louver,  
high air volume and low noise



## ■ New Fashionable Design Appearance



## ■ 3D Air Flow Provides You More Comfort



18000 Btu/h  
24000 Btu/h  
36000 Btu/h  
48000 Btu/h  
60000 Btu/h

Model number:	AUV-18UR4SZA1	AUV-24UR4SAA1	AUV-36UR4SAB1	AUV-48UR4SPC1	AUV-60UR6SPC1
Indoor model:	AUV-18UR4SA1	AUV-24UR4SA1	AUV-36UR4SB1	AUV-48UR4SC1	AUV-60UR6SC1
Outdoor model:	AUW-18U4SZA1	AUW-24U4SA1	AUW-36U4SA1	AUW-48U6SP	AUW-60U6SP
Performance					
Pdesign (W)	Cooling Heating	5000 5000	7000 8000	9200 9500	— —
SEER		5.6	5.6	5.1	—
SCOP		3.8	3.8	3.8	—
Energy Class	Cooling Heating	A+ A	A+ A	A A	A A
Cooling Capacity (W)	5000(1200-6500)	7000(1500-7800)	9200(3600-10500)	12600(5500-13500)	17000(6200-18000)
Heating Capacity (W)	5600(1800-7200)	8100(1800-10000)	11000(3050-13800)	15000(4000-18000)	20500(6400-21000)
Rated Input (w)	Cooling Heating	1500 1600	2300 2650	3050 3250	3920 4150
Air Circulation (m³/h)		850	1100	1800	2000
EER for Cooling (w/w)		3.33	3.04	3.02	3.21
COP for Heating (w/w)		3.50	3.06	3.38	3.61
Noise Level (Sound Pressure dB (A))	Indoor Unit Max	43 54	49 61	52 62	55 —
NoiseLevel (Sound Power dB (A))	Indoor Unit Max				
Power Supply					
Volt/Phase/Hz	220-240V~/1P/50Hz	220-240V~/1P/50Hz	220-240V~/1P/50Hz	380V~/3P/50Hz	380V~/3P/50Hz
Rated Current (A)	Cooling Heating	6.8 7.3	10.2 11.5	13.9 13.1	7.5 8.0
Piping					
Diameter(Liquid)	Inch	1/4	3/8	3/8	3/8
Diameter(Gas)	Inch	1/2	5/8	5/8	3/4
Max Length	m	15	30	30	50
Max Height	m	10	20	20	30
Other					
Dimensions WxHxD (mm)	Indoor Unit	990x680x230	990x680x230	1285x680x230	1580x680x230
Net Weight (Kg)	Indoor Unit	27	28	37	47
Packing Dimensions WxHxD (mm)	Indoor Unit	1100x820x350	1100x820x350	1400x820x350	1690x820x350
Gross Weight (Kg)	Indoor Unit	33	34	44	54
Loading Capacity (20/40/40'HC)		55/116/122	45/99/105	33/67/74	22/47/50

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2.The values given in the table for noise level reflect the levels in anechoic chamber.

## R410A Inverter Series



**R410A** DC  
INVERTER

## Outdoor Unit:

## Performance

## Power Supply

## Volt/Phase/Hz

## Rated Input (w)

Cooling

Heating

## Rated Current (A)

Cooling

Heating

## Air Circulation (m³ Max)

## Noise Level (Sound Pressure dB (A))

## NoiseLevel (Sound Power dB (A))

## Piping

## Diameter(Liquid)

## Diameter(Gas)

## Max Length

## Max Height

## Refrigerant charge volume

## Dimensions WxHxD (mm)

## Net Dimensions WxHxD (mm)

## Net Weight (Kg)

## Packing Dimensions WxHxD (mm)

## Gross Weight (Kg)

## Loading Capacity

## 20'/40'/40HQ

## AUW-18U4SZ1

## AUW-24U4SA1

## AUW-36U4SA1

## AUW-48U6SP

## AUW-60U6SP



18000 Btu/h

24000 Btu/h

36000 Btu/h

48000 Btu/h

60000 Btu/h

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2. The values given in the table for noise level reflect the levels in anechoic chamber.

## R410A On/Off Series

## Hisense Technology

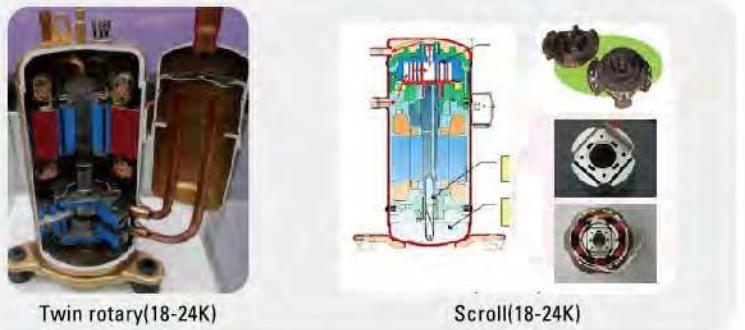
## Technology &amp; Feature

## ■ Wide Operating Range

Outdoor Unit: Heating: -7~24°C, cooling:15~43°C

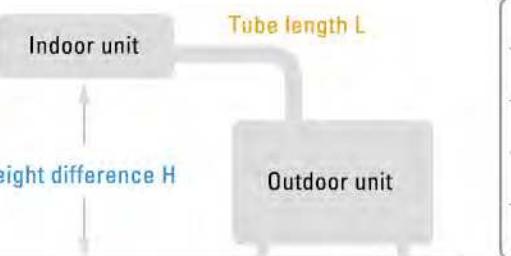


## ■ High Efficiency Twin Rotary&amp;Scroll Compressor



## ■ The Control Technique For Oil Recycle

Height difference & long piping design, making installation easier.



Model	Max.Tube Length L	Max.Tube Difference H	Add.Refrigerant exceed 5m
18k	15m	7.5m	15g/m
24k	20m	10m	35g/m
36k	30m	15m	35g/m
48k/60k	50m	15m	35g/m

## ■ Dual Core PCB Board



More concisely control: By Dual PCB control, the system reads the operating status timely in order to achieve optimal control, smart defrosting etc.  
Comprehensive power protection: By Dual PCB control, the system will comprehensively prevent the damage or danger caused by improper power input.

## ■ Hotel Room Card Control



## ■ Fire Linkage Control



## R410A On/Off Series

## Duct Type

## Duct type

## ■ Optional Static Pressure

18k: optional 10Pa & 30Pa static pressure, each unit can be installed in two ways

10Pa: Straight Air Flow without external duct

30Pa: External duct placed on air discharge

Two installation methods by changing wiring connection.

Note: Default settings is 10pa by factory.

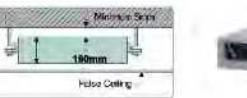


Front air flow,  
bottom air intake



Front air flow,  
back air intake

## ■ Slim Design



With a height of 190mm may be easily installed  
inside the low height residential ceiling.

## ■ Water Level Switch &amp; Water Pump



If the water pump has problem caused water level rise, the water level switch will rise to certain level, and then the unit will be turned off and release water.

Water Pump is optional for duct type unit

## ■ 2 Ways of Air Intake

Advantages: If the distance between unit and wall is limited, then you can choose bottom air intake by tearing down the bottom board of the unit, it will be much easier and more flexible.

Note: The noise of bottom air intake is 5dB higher than back air intake, so we recommend to use the back air intake.



Bottom air intake



Back air intake

## ■ Built-in Drain Pan

Disadvantage of outside drain pan: It is easy to adhere dust and bacterium, which will cause leakage in a long term. Hisense Built-in drain pan design: will be clean and durable.



Built-in Drain Pan



Outside Drain Pan

## ■ Safety Protection



Ensure the compressor operate in the safe range, and prevent damage caused by refrigerant leakage.



Indoor model	AUD-18HX45NL	AUD-24HX45LH	AUD-36HX45HH	AUD-48HX45HH	AUD-60HX45HH
Outdoor model:	AUW-18H45U	AUW-24H45Z	AUW-36H65A	AUW-48H65P	AUW-60H65P
Performance					
Cooling Capacity (W)	5000	7400	10200	14000	16000
Heating Capacity (W)	5500	7900	11250	15000	17500
Rated Input (w)	1550	2450	3625	4651	5694
	Cooling	Heating			
1600	2190	3725	4532	5814	
Air Circulation (m³/h)	780	1100	1800	2000	2000
EER for Cooling (w/w)	3.23	3.02	2.81	3.01	2.81
COP for Heating (w/w)	3.44	3.61	3.02	3.31	3.01
ESP (Pa)	10(30)	50(80)	50(80)	80(120)	80(120)
Power Supply					
Volt/Phase/Hz	220-240V~1P/50Hz	220-240V~1P/50Hz	220-240V~1P/50Hz	220-240V~1P/50Hz	220-240V~1P/50Hz
Rated Current (A)	Cooling				
	7.1	11.5	6.7	8.8	10.0
	Heating				
	7.3	11.0	7.0	8.6	10.3
Noise Level (dB (A))	Indoor Unit	High/Low	43/38	43/49	50/46
Piping					
Diameter(Liquid)	Inch	1/4	3/8	3/8	3/8
Diameter(Gas)	Inch	1/2	5/8	5/8	3/4
Max Length	m	15	20	30	50
Max Height	m	7.5	10	15	15
Other					
Dimensions WxHxD (mm)	Indoor Unit	900x190x447	900x270x720	1300x350x800	1386x350x800
Net Weight (Kg)	Indoor Unit	19	32	54	54
Packing Dimensions WxHxD (mm)	Indoor Unit	1070X236X580	1170X340X870	1550x410x940	1550x410x940
Gross Weight (Kg)	Indoor Unit	24	37	62	62
Loading Capacity (20/40'/40' HC)		76/160/180	36/80/94	23/50/56	19/40/42

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2. The values given in the table for noise level reflect the levels in anechoic chamber.



18000 Btu/h    24000 Btu/h    36000 Btu/h  
48000 Btu/h    60000 Btu/h

## R410A On/Off Series

## Cassette

## Cassette Type

## ■ Low Noise Fan

New design of the vortex fan



18k



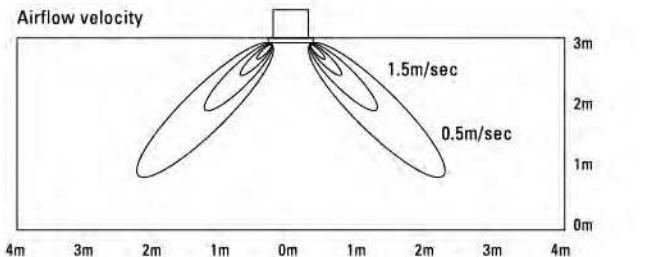
24k/36k/48k/60k

## ■ DC Fan Motor



- 24k/36k/48k/60k: Using the DC Fan Motor, high efficiency and energy saving
- Low noise: AC motors will produce low frequency noise during operation, but DC motors won't have this issue.
- Stable operation

## ■ Temperature Compensation of Cassette



For Cassette type heating mode, people do not always feel warm enough because the hot air stay at the top level. Hisense Cassette bring 4 level temperature compensation setting by DIP switch. The unit will increase the fan speed and air circulation to create a comfortable environment for people.



Indoor model Outdoor model	AUC-18HR4SAA AUW-18H4SU	AUC-24HR4SGA AUW-24H4SZ	AUC-36HR4SGA AUW-36H6SA	AUC-48HR4S9A AUW-48H6SP	AUC-60HR4S9A AUW-60H6SP
Performance					
Cooling Capacity (W)	5000	7450	10000	14000	16000
Heating Capacity (W)	5500	7500	11000	14800	17500
Rated Input (w)	1550	2320	3550	4844	5694
Cooling	1550	2080	3650	4853	5814
Heating					
Air Circulation (m <sup>3</sup> /h)	800	1100	1800	2000	2000
EER for Cooling (w/w)	3.23	3.21	2.81	2.89	2.81
COP for Heating (w/w)	3.55	3.61	3.01	3.05	3.01
ESP (Pa)					
Power Supply					
Volt/Phase/Hz	220-240V~/1P/50Hz	220-240V~/1P/50Hz	220-240V~/1P/50Hz	220-240V~/1P/50Hz	220-240V~/1P/50Hz
Rated Current (A)	Cooling	7.1	10.8	6.0	9.3
	Heating	7.1	10.0	6.5	9.3
Noise Level (dB (A))	Indoor Unit	High/Low	46/35	36/43	50/45
Piping					
Diameter(Liquid)	Inch	1/4	3/8	3/8	3/8
Diameter(Gas)	Inch	1/2	5/8	3/4	3/4
Max Length	m	15	20	30	50
Max Height	m	7.5	10	15	15
Other					
Dimensions WxHxD (mm)	Panel	650x30x650	950x37x950	950x37x950	950x37x950
	Indoor Unit	650x270x570	840x248x840	840x248x840	840x298x840
Net Weight (Kg)	Panel	2.4	6	6	6
	Indoor Unit	20	28	30	33
Packing Dimensions WxHxD (mm)	Panel	730x130x730	990x115x1010	990x115x1010	1010x115x990
	Indoor Unit	770x310x750	930x290x930	930x290x930	930x340x930
Gross Weight (Kg)	Panel	5	7.5	7.5	7.5
	Indoor Unit	27	34	36	39
Loading Capacity (20/40'/40' HC)	56/115/130	43/90/104	32/66/77	23/48/53	23/48/53

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2. The values given in the table for noise level reflect the levels in anechoic chamber.



18000 Btu/h

24000 Btu/h

36000 Btu/h

48000 Btu/h

60000 Btu/h

## R410A On/Off Series

## Ceiling &amp; Floor

## Ceiling &amp; Floor Type



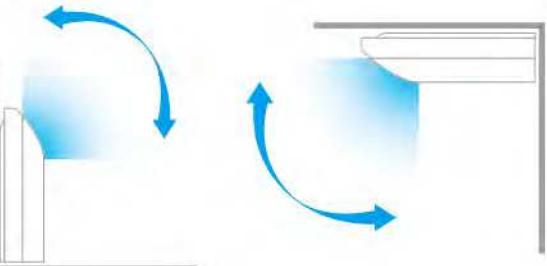
## ■ Two Types Installation

Fashionable design and Streamline appearance  
Huge air outlet with an integrative large louver,  
high air volume and low noise



## ■ New Fashionable Design Appearance

## ■ 3D Air Flow Provides You More Comfort



Indoor model: Outdoor model:	AUV-18HR45A AUW-18H45U	AUV-24HR45A AUW-24H45Z	AUV-36HR45B AUW-36H65A	AUV-48HR45C AUW-48H65P	AUV-60HR45C AUW-60H65P
<b>Performance</b>					
Cooling Capacity (W)	5000	7700	10200	14000	16000
Heating Capacity (W)	5500	7900	12000	16000	18000
Rated Input (w)	1550	2400	3625	4651	5694
Cooling			Heating		
1595	2190	3725	4532	5814	
Air Circulation (m³/h)	800	1100	1800	2000	2000
EER for Cooling (w/w)	3.23	3.21	2.81	3.01	2.81
Energy Class	A	A	C	B	C
COP for Heating (w/w)	3.45	3.61	3.22	3.53	3.10
Energy Class	B	A	C	B	D
<b>Power Supply</b>					
Volt/Phase/Hz	220-240V~/1P/50Hz	220-240V~/1P/50Hz	220-240V~/1P/50Hz	220-240V~/1P/50Hz	220-240V~/1P/50Hz
Rated Current (A)	7.1	11.2	6.7	8.8	10.0
Cooling			Heating		
7.3	11.0	7.0	8.6	10.3	
Noise Level (dB (A))	45/39	52/47	55/49	55/49	55/49
Indoor Unit	High/Low				
Piping					
Diameter(Liquid)	Inch	1/4	3/8	3/8	3/8
Diameter(Gas)	Inch	1/2	5/8	5/8	3/4
Max Length	m	15	20	30	50
Max Height	m	7.5	10	15	15
Other					
Dimensions WxHxD (mm)	Indoor Unit	990x680x230	990x680x230	1285x680x230	1580x680x230
Net Weight (Kg)	Indoor Unit	27	28	37	47
Packing Dimensions WxHxD (mm)	Indoor Unit	1100x820x350	1100x820x350	1400x820x350	1690x820x350
Gross Weight (Kg)	Indoor Unit	33	34	44	54
Loading Capacity (20/40'/40'HC)	55/116/122	45/99/105	45/99/105	33/67/74	22/47/50
					22/47/50

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2. The values given in the table for noise level reflect the levels in anechoic chamber.

## R410A On/Off Series



## Outdoor Unit

R410A  
ON/OFF



18000 Btu/h      24000 Btu/h      36000 Btu/h      48000 Btu/h  
60000 Btu/h

Outdoor Unit:	AUW-18H4SU	AUW-24H4SZ	AUW-36H6SA	AUW-48H6SP	AUW-60H6SP
<b>Performance</b>					
<b>Power Supply</b>					
Volt/Phase/Hz	220-240V~/1P/50Hz	220-240V~/1P/50Hz	380~415V~/3Ph/50Hz	380~415V~/3Ph/50Hz	380~415V~/3Ph/50Hz
Rated Input (w)	Cooling	1480	2250	3300	4251
	Heating	1480	1990	3400	4132
Rated Current (A)	Cooling	6.8	10.3	5.5	8.0
	Heating	6.8	9.2	6.0	7.8
Air Circulation ( m³ Max)	2700	3200	3500	6000	6000
Noise Level (dB (A))	55	58	60	62	62
<b>Piping</b>					
Diameter(Liquid)	Inch	1/4	3/8	3/8	3/8
Diameter(Gas)	Inch	1/2	5/8	5/8	3/4
Max Length	m	15	20	30	50
Max Height	m	7.5	10	15	15
Refrigerant charge volume	g	1200	1650	2100	3100
Dimensions WxHxD (mm)					
Net Dimensions WxHxD (mm)	Outdoor Unit	800x550x260	900x640x300	950x840x340	950x1386x340
Net Weight (Kg)	Outdoor Unit	37	54	83	114
Packing Dimensions WxHxD (mm)	Outdoor Unit	930x620x360	1050x700x400	1110x980x460	1110x1530x460
Gross Weight (Kg)	Outdoor Unit	40	60	91	124
<b>Loading Capacity</b>					
20'/40'/40HQ		111/228/304	90/186/186	52/106/106	26/53/53
					26/53/53

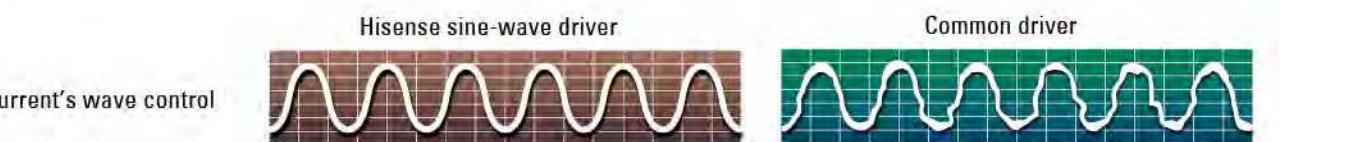
Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2.The values given in the table for noise level reflect the levels in anechoic chamber.

## Free Match

The Free Match products are ideal where an individual indoor unit is required in each room, i.e., a living room and 3 bedrooms. The Systems allow one outdoor unit to be connected up to a wide variety of 2,3 or 4 indoor units including Wall Mounted, Duct and Cassette, depending on the model.

### ■ The Latest 180° Sine Wave DC Drive Technique

The application of 180° sine wave DC inverter driven technique ensure the output current to be a smooth sine wave curve, and accordingly enables compressor to operate smoothly with efficiency dramatically increased. At the same time, both harmonic current and electromagnetic noise are suppressed.



### ■ Hi-efficiency Double-rotary Compressor Equipped Rubidium Magnet



### ■ The Control Technique For Oil Recycle

Micro-computer may auto analyze the position where oil may stay. Through adjusting compressor's speed and electronic-expansion valve, controlling the flow speed of refrigerant, recycle oil to compressor, and ensure compressor can run reliably.

## Free Match Technology

### ■ Electronic Expansion Valve

Outdoor unit uses 4 electronic expansion valves, which has the function of regulating and optimizing the refrigerant quantity to all the working indoor unit.

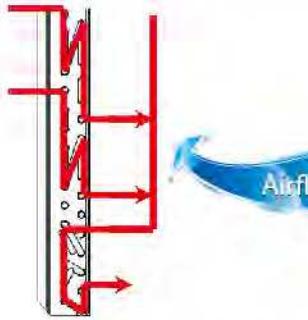


### ■ Wide Power Voltage Operation

The unit can't wide voltage range from 176V to 264V. In the previous model, the current protection value is fixed, but the voltage usually fluctuates, which leads the frequency to deviate from optimization. For the new model, the application of auto-adapt voltage technique makes the current protection value adjust to the voltage, and this keeps the frequency in optimize value all the time.

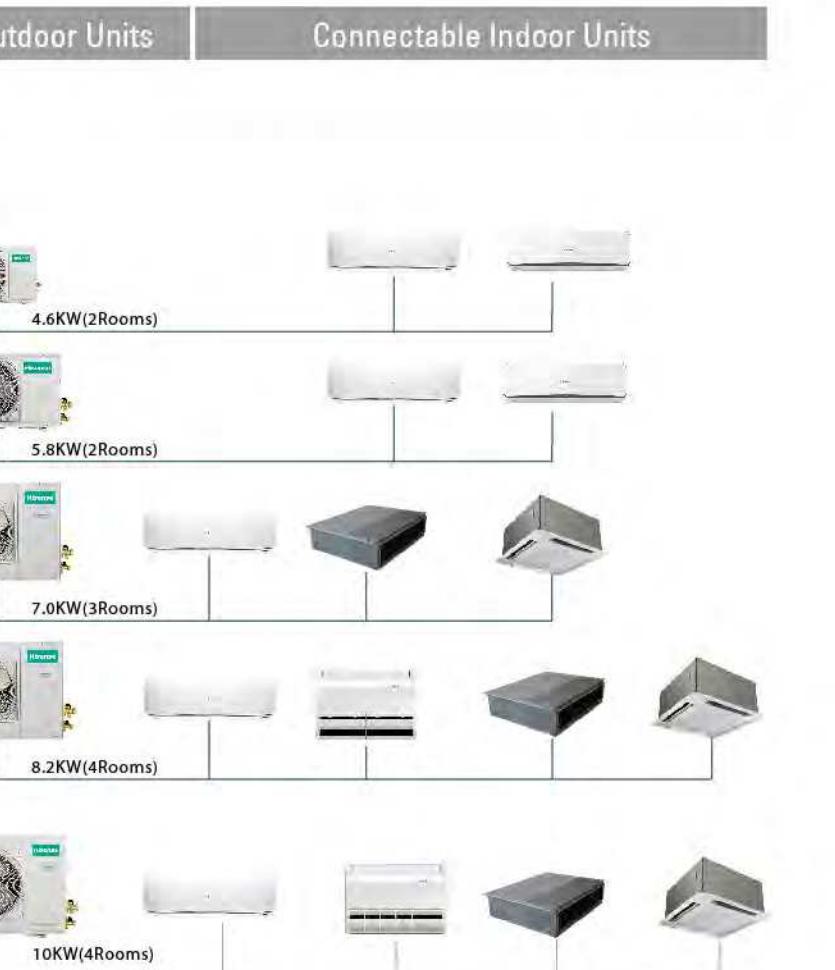
### ■ New Path Design Improve the Efficiency of Exchanger

1. Reverse path design makes the exchanger's efficiency improve greatly.
2. Rearend of the path are super cooling paths, which can improve the cooling capacity and added the length of pipes between indoor and outdoor. While heat is running, this can prevent base pan from ice block.



Free Match

Free Match



Model Name	AMS-07UR4SPSC4	AMS-09UR4SPSC4	AMS-12UR4SPSC4
<b>Performance</b>			
Cooling capacity	kW	2	2.6
Heating capacity	kW	2.4	3.1
Power	V/Hz/f	220~240/50/1	220~240/50/1
Power input	W	25	30
Rated current	A	0.1	0.13
Anti electric shock	Class I	IPX0	IPX0
Degrees of protection	IPX0	IPX0	IPX0
Air flow	m³/h	540	540
Noise Level (Sound Power)	dB(A) (Max)	52	52
Noise Level (Sound Pressure)	dB(A) (Hi\Mid\Low)	37\32\28	37\32\28
Net Dimension (WxHxD)	mm	1015x320x158	1015x320x158
Net Weight	kg	12	12
Package Dimension (WxHxD)	mm	1110x410x260	1110x410x260
Gross Weight	kg	15	15

Model Name	AMS-07UR4SETE4	AMS-09UR4SETE4	AMS-12UR4SETE4
<b>Performance</b>			
Cooling capacity	kW	2	2.6
Heating capacity	kW	2.3	3.0
Power	V/Hz/f	220~240/50/1	220~240/50/1
Power input	W	40	40
Rated current	A	0.2	0.2
Anti electric shock	Class I	IPX0	IPX0
Degrees of protection	IPX0	IPX0	IPX0
Air flow	m³/h	600	600
Noise Level (Sound Power)	dB(A) (Max)	54	54
Noise Level (Sound Pressure)	dB(A) (Max/Min)	38/22	39/22
Net Dimension (WxHxD)	mm	818x270x214	818x270x214
Net Weight	kg	8.5	8.5
Package Dimension (WxHxD)	mm	880x340x285	880x340x285
Gross Weight	kg	10	10
Diameter(Liquid)	mm	6.35	6.35
Diameter(Gas)	mm	9.52	9.52



## Free Match

## Free Match

Model Name		AMS-07UR4SGSE4	AMS-09UR4SGSE4	AMS-12UR4SGSEA	AMS-18UR4SVSE4
<b>Performance</b>					
Cooling capacity	kW	2	2.6	3.2	5
Heating capacity	kW	2.3	3.0	3.7	5.5
Power	V/Hz/f	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1
Power input	W	40	40	40	85
Rated current	A	0.2	0.2	0.2	0.4
Anti electric shock		Class I	Class I	Class I	Class I
Degrees of protection		IPX0	IPX0	IPX0	IPX0
Air flow	m³/h	540	540	580	900
Noise Level (Sound Power)	dB(A) (Max)	55	55	55	60
Noise Level (Sound Pressure)	dB(A) (Max/Min)	38/22	39/22	40/22	47/28
Net Dimension (WxHxD)	mm	820×270×210	820×270×210	820×270×210	920×313×226
Net Weight	kg	7.5	7.5	7.5	12
Package Dimension (WxHxD)	mm	910X380X285	910X380X285	910X380X285	1010×380×300
Gross Weight	kg	9	9	9	15
Diameter(Liquid)	mm	6.35	6.35	6.35	6.35
Diameter(Gas)	mm	9.52	9.52	9.52	12.7



Model Name		AMC-12UX4SAA	AMC-18UX4SAA
<b>Performance</b>			
Power	V/Hz/F	220~240/50/1	220~240/50/1
Cooling capacity	kW	3.5	5
Heating capacity	kW	4	5.5
Power	V/Hz/f	220~240/50/1	220~240/50/1
Power input	W	70	70
Rated current	A	0.32	0.32
Anti electric shock		Class I	Class I
Degrees of protection		IPX0	IPX0
Air flow	m³/h	800	800
Noise Level (Sound Power)	dB(A) (Max)	59	59
Noise Level (Sound Pressure)	dB(A) (Max/Min)	47/40	47/40
Net Dimension - Indoor Unit (WxHxD)	mm	570×270×570	570×270×570
Net Dimension - Panel (WxHxD)	mm	650×30×650	650×30×650
Net Weight - Indoor Unit	kg	21	21
Package Dimension - Indoor Unit (WxHxD)	mm	750×360×690	750×360×690
Package Dimension - Panel (WxHxD)	mm	730×130×730	730×130×730
Gross Weight - Indoor Unit	kg	25.5	25.5
Diameter(Liquid)	mm	6.35	6.35
Diameter(Gas)	mm	9.52	12.7



Model Name		AMD-09UX4SJJD	AMD-12UX4SJJD	AMD-18UX4SJJD
<b>Performance</b>				
Cooling capacity	kW	2.6	3.2	5
Heating capacity	kW	3	3.7	5.5
Power	V/Hz/f	220~240/50/1	220~240/50/1	220~240/50/1
Power input	W	44	44	66
Rated current	A	0.2	0.2	0.3
Anti electric shock		Class I	Class I	Class I
Degrees of protection		IPX0	IPX0	IPX0
Air flow	m³/h	520	520	700
Noise Level (Sound Power)	dB(A) (Max)	51	51	55
Noise Level (Sound Pressure)	dB(A) (Max/Min)	35/25	35/25	39/27
Net Dimension (WxHxD)	mm	(700+70) × 190×600	(700+70) × 190×600	(700+70) × 190×600
Net Weight	kg	20	20	21
Package Dimension (WxHxD)	mm	946×236×692	946×236×692	946×236×692
Gross Weight	kg	24	24	25
Diameter(Liquid)	mm	6.35	6.35	6.35
Diameter(Gas)	mm	9.52	9.52	12.7



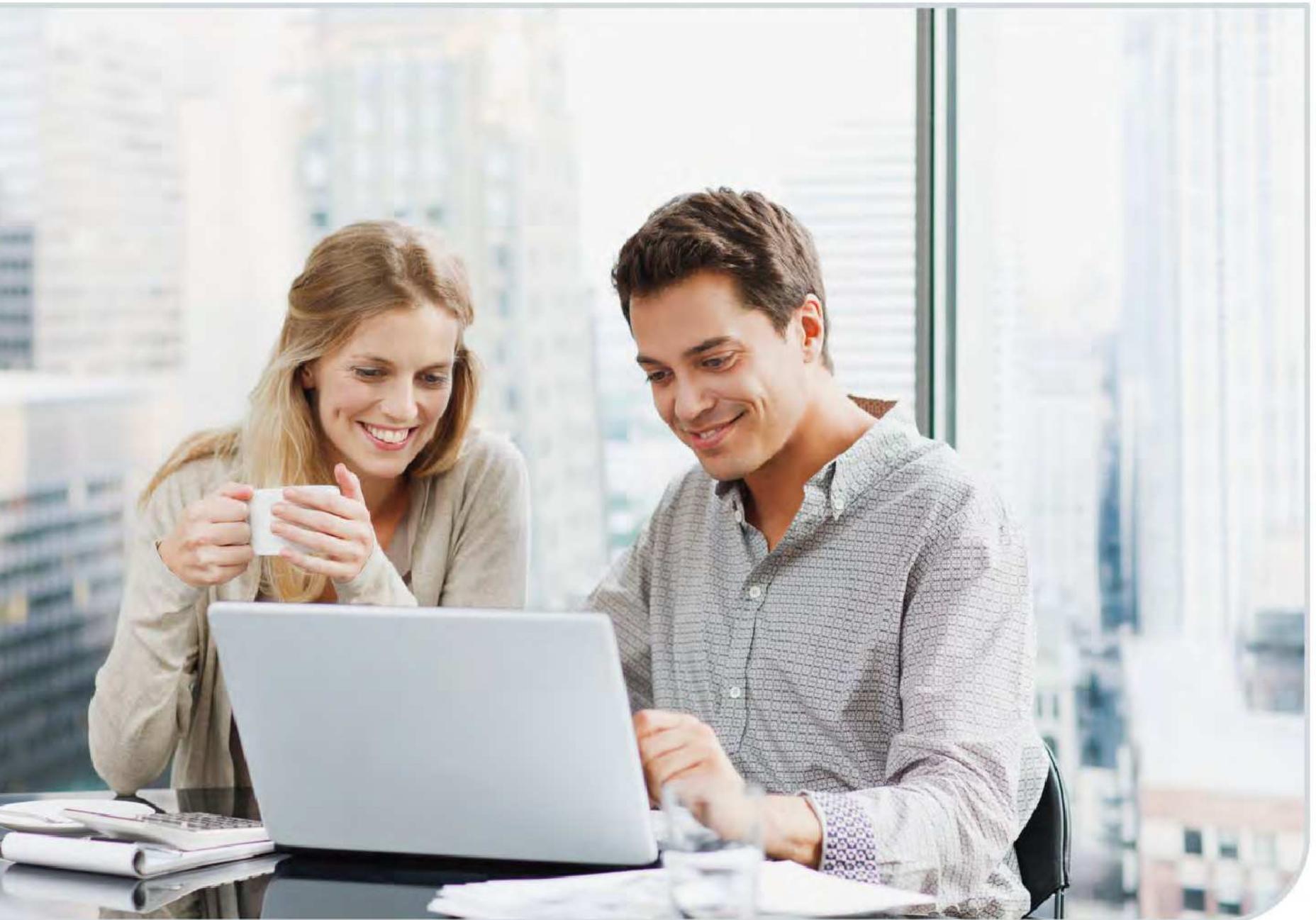
Model Name		AMV-12UX4SA	AMV-18UX4SA
<b>Performance</b>			
Power	V/Hz/F	220~240/50/1	220~240/50/1
Cooling capacity	kW	3.5	5
Heating capacity	kW	4	5.5
Power	V/Hz/f	220~240/50/1	220~240/50/1
Power input	W	70	70
Rated current	A	0.32	0.32
Anti electric shock		Class I	Class I
Degrees of protection		IPX0	IPX0
Air flow	m³/h	800	800
Noise Level (Sound Power)	dB(A) (Max)	59	59
Noise Level (Sound Pressure)	dB(A) (Max/Min)	47/40	47/40
Net Dimension - Indoor Unit (WxHxD)	mm	900×190×447	900×190×447
Net Weight - Indoor Unit	kg	19	19
Package Dimension - Indoor Unit (WxHxD)	mm	1070×236×580	1070×236×580
Gross Weight - Indoor Unit	kg	24	24
Diameter(Liquid)	mm	6.35	6.35
Diameter(Gas)	mm	9.52	12.7

## Free Match

## Free Match

<b>R410A</b>			16000 Btu/h	20000 Btu/h	24000 Btu/h	28000 Btu/h	36000 Btu/h
<b>Type(Free Match)</b>							
<b>Model Name</b>	Up to 2 indoor units AMW2-16U4SGD1	Up to 2 indoor units AMW2-20U45ZD1	Up to 3 indoor units AMW3-24U45AD1	Up to 4 indoor units AMW4-28U45AD1	Up to 4 indoor units AMW4-36U45AD1		
<b>Gas</b>	R410A	R410A	R410A	R410A	R410A		
<b>Performance</b>							
Pdesign	Cooling kW Heating kW	4.6 4.4	5.8 5.1	7 6.3	8.2 7.5	10 9	
Rating Capacity	Cooling kW Btu/h	4.6(1.4~5.2) 15700(4780~17740)	5.8(1.6~6.4) 19800(5459~21840)	7.0(2.4~7.8) 24000(8200~26600)	8.2(2.4~9.0) 28000(8200~30700)	10.0(2.9~10.7) 36000(9800~36500)	
	Heating kW Btu/h	5.3(1.35~6.4) 18080(4600~21840)	6.4(1.5~7.0) 21840(5118~23880)	8.0(2.1~9.5) 27300(7165~32400)	9.0(1.9~10.0) 30000(6480~34100)	11.0(2.5~12.0) 37500(8500~40900)	
Air flow	m³/h	2500	3000	3600	3600	4200	
SEER		5.7	5.7	5.1	5.1	5.1	
SCOP		3.8	3.8	3.8	3.8	3.8	
EER	W/W	3.29	3.41	3.21	3.42	3.22	
COP	W/W	4.08	3.66	3.62	3.62	3.62	
EEL Rank	Cooling Heating	A A	A A	A A	A A	A A	
Noise Level (Sound Power)	dB(A) (Max)	64	64	67	68	69	
Noise Level (Sound pressure)	dB(A) (Max)	57	57	57	57	60	
Guaranteed Operating Range	Cooling °C Heating °C	7~43 -10~24	7~43 -10~24	7~43 -10~24	7~43 -10~24	7~43 -10~24	
Electrical Data							
Power	V/Hz/f	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1	
Power input	Cooling W Heating W	1400 (400~2000) 1300 (350~1900)	1700 (390~2250) 1750 (370~2100)	2180 (660~3100) 2210 (600~3200)	2400 (630~3250) 2490 (580~2850)	3100 (780~4100) 3040 (700~3700)	
Rated current	Cooling A Heating A	6.1 5.7	7.7 8.0	9.7 10.1	10.7 11.1	14.5 14	
Anti electric shock		Class I	Class I	Class I	Class I	Class I	
Degrees of protection		IPX4	IPX4	IPX4	IPX4	IPX4	
Dimension & Weight							
Net Dimension (WxHxD)	mm	800×560×260	980×640×350	950×840×340	950×840×340	950×840×340	
Net Weight	kg	36.5	46.5	66	67	67	
Package Dimension (WxHxD)	mm	950×650×370	1080×720×420	1120×980×460	1120×980×460	1120×980×460	
Gross Weight	kg	40	52.5	76	77	77	
Technical Information							
Piping	Diameter(Liquid) mm Diameter(Gas) mm	6.35*2 9.52*2	6.35*2 9.52*2	6.35*3 9.52*3	6.35*4 9.52*4	6.35*4 9.52*4	
	Max Length(Each) m Max Length(Total) m	20 40	20 40	25 60	25 60	25 60	
	Max Height m	15	15	15	15	15	

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2.The values given in the table for noise level reflect the levels in anechoic chamber.



Free Match

Free Match

AMW2-16U4SGD1

Combination of Indoor Units	Cooling Capacity												Heating Capacity															
	A W	B W	C W	D W	Total Capacity (W)	Power Input(W)	(A)	SEER	EER	Classe	A W	B W	C W	D W	Total Capacity (W)	Power Input(W)	(A)	SCOP	COP	Classe								
					NOM	MIN	MAX	NOM	MIN	MAX					NOM	MIN	MAX	NOM	MIN	MAX								
07+07	2100	2100			4200	1400	5000	1220	350	1800	5.30	5.50		3.44	A	2600	2600		5200	1400	6200	1340	320	1800	6.0	3.65	3.88	A
07+09	2060	2540			4600	1400	5400	1310	350	1930	5.70	5.65		3.51	A	2870	2930		5300	1400	6200	1160	320	1800	5.2	3.65	4.57	A
07+12	1820	2780			4600	1400	5400	1310	350	1930	5.70	5.65		3.51	A	2190	3110		5300	1400	6200	1160	320	1800	5.2	3.73	4.57	A
09+09	2300	2300			4600	1400	5400	1310	350	1930	5.70	5.65		3.51	A	2650	2650		5300	1400	6400	1260	320	1860	5.6	3.73	4.21	A
09+12	2060	2540			4600	1400	5500	1310	350	1970	5.70	5.75		3.51	A	2370	2930		5300	1400	6600	1160	310	1850	5.2	3.71	4.57	A

AMW2-20U4SZD1

Combination of Indoor Units	Cooling Capacity												Heating Capacity															
	A W	B W	C W	D W	Total Capacity (W)	Power Input(W)	(A)	SEER	EER	Classe	A W	B W	C W	D W	Total Capacity (W)	Power Input(W)	(A)	SCOP	COP	Classe								
					NOM	MIN	MAX	NOM	MIN	MAX					NOM	MIN	MAX	NOM	MIN	MAX								
07+07	2100	2100			4200	1600	6000	1065	345	2205	4.8	5.15		3.94	A	2600	2600		5200	1200	6000	1325	310	1751	5.9	6.25	3.92	A
07+09	2100	2600			4700	1600	6000	1245	345	2205	5.6	5.15		3.78	A	2600	3000		5600	1200	6600	1445	310	1930	6.5	6.78	3.88	A
07+12	2100	3200			5300	1600	6000	1405	345	2195	6.3	5.25		3.77	A	2600	3700		6300	1200	6800	1645	310	1990	7.4	7.68	3.83	A
09+09	2600	2600			5200	1600	6000	1425	345	2195	6.4	5.30		3.65	A	3000	3000		6000	1200	6600	1615	310	1930	7.2	7.55	3.72	A
09+12	2600	3200			5800	1600	6300	1615	345	2215	7.2	5.40		3.59	A	2870	3530		6400	1300	6800	1775	330	1990	8.0	8.26	3.61	B
12+12	2900	2900			5800	1600	6400	1665	345	2215	7.6	5.50		3.48	A	3200	3200		6400	1300	7000	1715	330	2050	7.9	8.15	3.73	A

AMW3-24U4SAD1

Combination of Indoor Units	Cooling Capacity												Heating Capacity															
	A W	B W	C W	D W	Total Capacity (W)	Power Input(W)	(A)	SEER	EER	Classe	A W	B W	C W	D W	Total Capacity (W)	Power Input(W)	(A)	SCOP	COP	Classe								
					NOM	MIN	MAX	NOM	MIN	MAX					NOM	MIN	MAX	NOM	MIN	MAX								
07+07	2100	2100			4200	1600	5600	1365	420	2054	6.1	—		3.30	B	2600	2600		5200	1700	7200	1565	435	2153.45	7.0	—	3.40	C
07+09	2100	2600			4700	1600	5600	1465	420	2102	6.6	—		3.43	A	2600	3000		5600	1700	7200	1615	435	2153.45	7.2	—	3.54	C
07+12	2100	3200			5300	1700	6500	1715	440	2445	7.7	—		3.33	B	2600	3700		6300	1700	7500	1915	115	2244.64	8.6	—	3.38	C
07+18	2100	4800			6900	1800	7400	1805	460	2833	8.1	—		4.05	A	2570	5430		8000	1700	8800	2325	435	2591.87	10.4	—	3.54	C
09+09	2600	2600			5200	1700	5600	1545	440	2102	6.9	—		3.59	A	3000	3000		6000	1700	7500	1615	435	2244.64	7.2	—	3.79	A
09+12	2600	3200			5800	1700	6500	1715	440	2445	7.7	—		3.61	A	3000	3700		6700	1700	7500	1915	435	2244.64	8.6	—	3.59	B
09+18	2460	4540			7000	1800	7400	1805	460	2833	8.1	—		4.10	A	2820	5180		8000	1900	8900	2325	475	2621.72	10.4	—	3.54	C
12+12	3200	3200			6400	1800	7000	1815	460	2678	8.1	—		3.76	A	3700	3700		740									

Free Match

Free Match

AMW4-28U4SAD1

Combination of Indoor Units	Cooling Capacity										Heating Capacity											
	A B C D				Total Capacity (W)				Power Input(W)				(A) SCOP				COP Classe					
	W W W W	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	W/W								
07+07	2100 2100	4200	1600	5800	1175	345	2064	5.3	—	3.67	A	2600 2600	5200	1500	7500	1395	380	2438.44	6.3	—	3.81	A
07+09	2100 2600	4700	1600	5800	1285	345	2064	5.8	—	3.76	A	2600 3000	5600	1500	7500	1525	380	2438.44	6.8	—	3.76	B
07+12	2100 3200	5300	1700	6700	1435	365	2464	6.4	—	3.81	A	2600 3700	6300	1500	7800	1645	380	2347.64	7.4	—	3.92	A
07+18	2100 4800	6900	1800	7600	1945	385	2698	8.7	—	3.68	A	2600 5500	8100	1600	9200	2245	400	2684.97	10.1	—	3.72	B
09+09	2600 2600	5200	1700	5800	1445	365	2127	6.5	—	3.71	A	3000 3000	6000	1500	7800	1565	380	2347.64	7.0	—	3.92	A
09+12	2600 3200	5800	1700	6700	1495	365	2464	6.7	—	3.99	A	3000 3700	6700	1500	7800	1765	380	2347.64	7.9	—	3.89	A
09+18	2600 4800	7400	1800	7600	2145	385	2698	9.6	—	3.59	A	3000 5500	8500	1600	9200	2315	400	2684.97	10.4	—	3.79	A
12+12	3200 3200	6400	1800	7200	1865	385	2651	8.4	—	3.57	A	3700 3700	7400	1500	8800	1945	380	2654.39	8.7	—	3.91	A
12+18	3200 4800	8000	1800	7600	2595	385	2698	11.6	—	3.24	B	3620 5380	9000	1700	9500	2515	420	2773.99	11.3	—	3.70	B
07+07+07	2100 2100 2100	6300	2100	7800	1785	485	2876	8.0	—	3.66	A	2600 2600 2600	7800	1500	9200	2215	420	2684.97	9.9	—	3.64	B
07+07+09	2100 2100 2600	6800	2100	7800	1975	485	2770	8.9	—	3.58	A	2600 2600 3000	8200	1600	9200	2305	440	2684.97	10.3	—	3.67	B
07+07+12	2100 2100 3200	7400	2300	7800	2245	525	2770	10.1	—	3.45	A	2600 2600 3700	8900	1600	9500	2395	440	2773.99	10.7	—	3.83	A
07+07+18	1910 1910 4380	8200	2300	8600	2635	525	3059	11.8	—	3.27	B	2187 2187 4626	9000	1700	9500	2375	460	2773.99	10.7	—	3.90	A
07+09+09	2100 2600 2600	7300	2300	7800	2245	525	2770	10.1	—	3.40	A	2600 3000 3000	8600	1600	9400	2345	440	2744.32	10.5	—	3.78	A
07+09+12	2100 2600 3200	7900	2300	8200	2545	525	2915	11.4	—	3.26	B	2520 2900 3580	9000	1700	9500	2405	460	2773.99	10.8	—	3.86	A
07+09+18	1810 2240 4150	8200	2300	8600	2495	525	3059	11.2	—	3.44	A	2110 2430 4460	9000	1700	9500	2605	460	2773.99	11.7	—	3.58	B
07+12+12	2020 3090 3090	8200	2300	8400	2545	525	2987	11.4	—	3.38	B	2340 3330 3330	9000	1700	9500	2645	460	2773.99	11.9	—	3.53	C
07+12+18	1700 2600 3900	8200	2400	8600	2485	545	3059	11.1	—	3.45	A	1985 2820 4195	9000	1700	9600	2605	460	2803.66	11.7	—	3.58	B
07+18+18	1470 3365 3365	8200	2400	8800	2455	545	3131	11.0	—	3.49	A	1720 3640 3640	9000	1700	10000	2495	460	2922.36	11.2	—	3.73	B
09+09+09	2600 2600 2600	7800	2300	8200	2325	525	2915	10.4	—	3.51	A	3000 3000 3000	9000	1700	9500	2455	460	2773.99	11.0	—	3.78	A
09+09+12	2540 2540 3120	8200	2300	8400	2665	525	2987	12.0	—	3.24	B	2784 2784 3433	9000	1700	9500	2425	460	2773.99	10.9	—	3.83	A
09+09+18	2130 2130 3940	8200	2400	8600	2585	545	3059	11.6	—	3.33	B	2350 2350 4300	9000	1700	9500	2625	460	2773.99	11.8	—	3.55	C
09+12+12	2370 2915 2915	8200	2400	8000	2635	545	2843	11.8	—	3.27	B	2600 3200 3200	9000	1700	9500	2645	460	2773.99	11.9	—	3.53	C
09+12+18	2010 2480 3710	8200	2400	8400	2495	545	2987	11.2	—	3.44	A	2210 2730 4060	9000	1700	9600	2565	460	2803.66	11.5	—	3.63	B

AMW4-28U4SAD1

Combination of Indoor Units	Cooling Capacity										Heating Capacity											
	A B C D				Total Capacity (W)				Power Input(W)				(A) SCOP				COP Classe					
	W W W W	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	W/W								
12+12+12	2733 2733 2734	8200	2400	8400	2515	545	2987	11.3	—	3.42	A	3000 3000	9000	1700	9500	2665	460	2773.99	12.0	—	3.50	C
12+12+18	2340 2340 3520	8200	2400	8600	2515	545	3059	11.3	—	3.42	A	2580 2580	9000	1700	10000	2565	460	2922.36	11			

Free Match

Free Match

AMW4-36U4SAD1

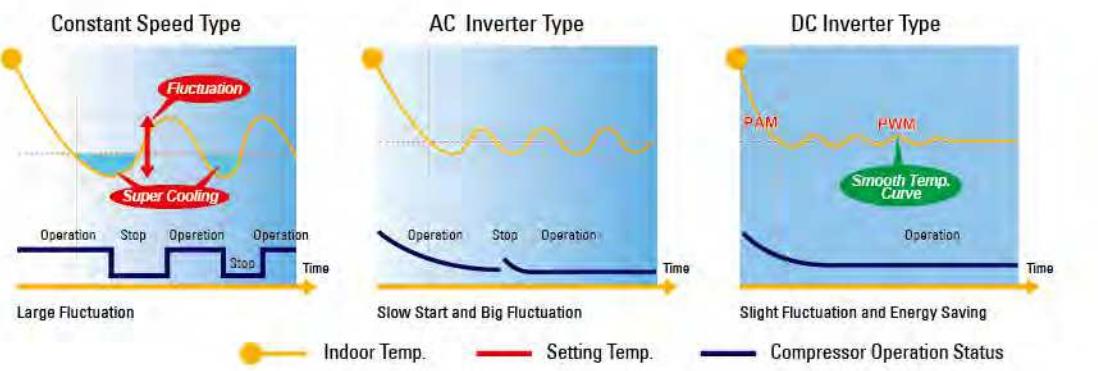
Combination of Indoor Units	Cooling Capacity												Heating Capacity												W/W			A			B				C				D				Total Capacity (W)			Power Input(W)			(A)			SEER			EER			Classe		
	A	B	C	D	Total Capacity (W)	Power Input(W)	(A)	SEER	EER	Classe	A	B	C	D	Total Capacity (W)	Power Input(W)	(A)	SCOP	COP	Classe	W/W	W/W	W/W	W	W	W	W	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	W/W	W/W	W/W	W	W	W	W	NOM	MIN	MAX	NOM	MIN	MAX	W/W	W/W	W/W								
	W	W	W	W	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	NOM	MIN	MAX	W/W	W/W	W/W								
07+07	21	21	42	16	60	1175	350	1830	5.3	—	3.64	A	26	26	52	15	75	1395	380	2438.44	6.3	—	5.81	A	26	26	26	26	104	18	97	2725	520	2833.33	12.2	3.55	3.94	A																						
07+09	21	26	47	16	61	1285	350	1861	5.8	—	3.73	A	26	30	56	15	75	1525	380	2438.44	6.8	—	3.76	B	26	26	26	30	108	18	97	2705	520	2833.33	12.1	3.55	4.11	A																						
07+12	21	32	53	17	67	1435	370	2116.29	6.4	—	3.78	A	26	37	63	15	78	1645	380	2347.63	7.4	—	3.92	A	25	25	25	35	110	18	97	2685	520	2833.33	12.0	3.58	4.21	A																						
07+18	21	50	71	18	76	1945	390	2575.69	8.7	—	3.76	A	26	58	84	16	92	2245	400	2684.97	10.1	—	3.85	A	21	21	21	47	110	19	100	2565	540	2922.35	11.5	3.63	4.40	A																						
09+09	26	26	52	17	58	1445	370	1825.97	6.5	—	3.68	A	30	30	60	15	78	1565	380	2347.63	7.0	—	3.92	A	26	26	29	29	110	18	97	2685	520	2833.33	12.0	3.55	4.21	A																						
09+12	26	32	58	17	67	1495	370	2116.29	6.7	—	3.96	A	30	37	67	15	78	1765	380	2347.63	7.9	—	3.89	A	24	24	28	34	110	18	100	2625	520	2922.35	11.8	3.58	4.31	A																						
09+18	26	50	76	18	76	2145	390	2575.69	9.6	—	3.66	A	30	58	88	16	92	2315	400	2684.97	10.4	—	3.91	A	20	20	24	46	110	19	100	2505	540	2922.35	11.2	3.63	4.50	A																						
12+12	32	32	64	18	72	1865	390	2277.58	8.4	—	3.54	A	37	37	74	15	88	1945	380	2654.38	8.7	—	3.91	A	23	23	32	32	110	18	98	2575	520	2803.66	11.5	3.65	4.38	A																						
12+18	32	50	82	18	76	2595	390	2575.69	11.6	—	3.29	B	37	58	95	17	95	2515	420	2773.99	11.3	—	3.90	A	19	19	28	43	110	19	100	2485	540	2922.35	11.1	3.55	4.54	A																						
18+18	50	50	100	19	76	2595	410	2575.69	11.6	—	3.97	A	55	55	110	18	95	2515	440	2773.99	11.3	—	4.48	A	17	17	38	38	110	19	100	2485	540	2922.35	11.1	3.55	4.54	A																						
07+07+07	21	21	21	63	21	78	1785	490	2471.129	8.0	—	3.63	A	26	26	26	78	15	92	2215	420	2684.97	9.9	—	3.64	B	25	28	28	28	110	18	96	2645	520	2803.66	11.9	3.58	4.27	A																				
07+07+09	21	21	26	68	21	78	1975	490	2644.66	8.9	—	3.55	A	26	26	30	82	16	92	2305	440	2684.97	10.3	—	3.67	B	23	27	27	33	110	18	96	2605	520	2803.66	11.7	3.63	4.34	A																				
07+07+12	21	21	32	74	23	78	2245	530	2644.66	10.1	—	3.42	A	26	26	37	89	16	95	2395	440	2773.99	10.7	—	3.83	A	20	23	23	44	110	19	100	2485	540	2922.35	11.1	3.63	4.54	A																				
07+07+18	21	21	50	92	23	86	2635	530	2920.52	11.8	—	3.62	A	26	26	58	110	17	95	2375	460	2773.99	10.7	—	4.73	A	22	25	31	31	110	19	100	2565	540	2922.35	11.5	3.65	4.40	A																				
07+09+09	21	26	26	73	23	78	2245	530	2644.66	10.1	—	3.37	A	26	30	30	86	16	94	2345	440	2744.31	10.5	—	3.78	A	19	22	27	42	110	19	100	2465	540	2922.35	11.1	3.55	4.57	A																				
07+09+12	21	26	32	79	23	82	2545	530	2782.59	11.4	—	3.23	A	26	30	37	93	17	95	2405	460	2773.99	10.8	—	3.98	A	17	19	37	37	110	19	100	2465	540	2922.35	11.1	3.58	4.57	A																				
07+09+18	21	26	50	97	23	86	2495	530	2920.52	11.2	—	4.00	A	25	29	56	110	17	95	2605	460	2773.99	11.7	—	4.34	A	21	30	30	30	110	19	100	2515	540	2922.35	11.3	3.58	4.48	A																				
07+12+12	21	32	32	85	23	84	2545	530	2851.56	11.4	—	3.46	A	26	37	100	17	95	2645	460	2773.99	11.9</																																						

## Mini VRF

## Hi-Smart H Series

## Six Core Technologies

## ■ DC Inverter-Driven Technology



Hi-Smart H series leads the technology changes. It realizes precise compressor frequency control from 20Hz to 115Hz by adopting DC inverter, PAM(Pulse Amplitude Modulation), PWM(Pulse Width Modulation) and PFC(Power Factor Correction) comprehensive control technology, which helps create a healthy, low-carbon and energy-saving living environment.

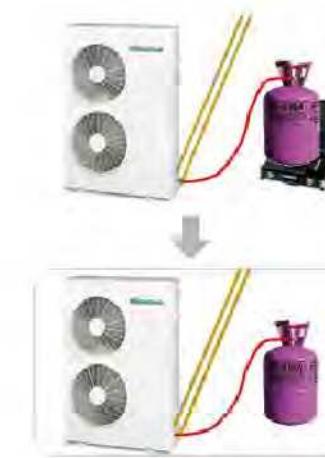
## ■ Refrigerant Auto Detection Technology &amp; Refrigerant Auto-Charge Technology

## Refrigerant amount automatically detection

The system will detect operating parameters automatically, stop compressor and report "Refrigerant insufficient" failure when refrigerant leakage to a certain amount, it could effectively avoid compressor damage running in the refrigerant less situation.

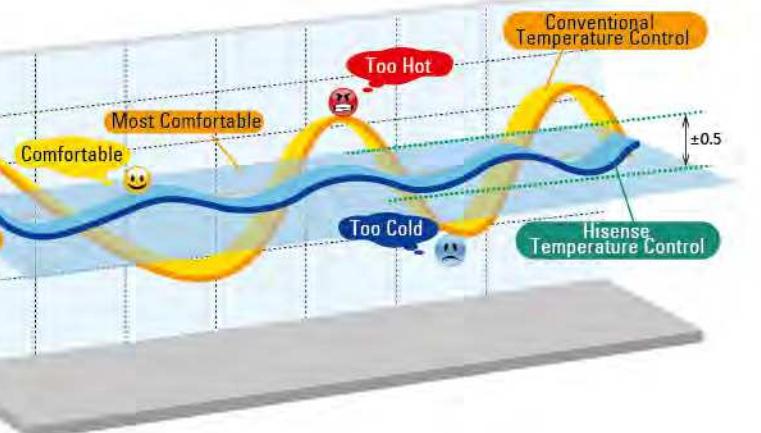
## Refrigerant Charging Automatically Prompts

In refrigerant charging mode, the system will automatically detects the charging amount and immediately prompt maintenance staff to stop when charging amount meet the requirements, charging refrigerant, no longer need to use electronic meter.



## ■ 3D Temperature Control Technology

Hi-Smart H series sets temperature sensors on air outlet/air inlet of indoor units and remote controller to detect the temperature change of indoor and outdoor sensitive points accurately and regulate indoor temperature automatically, which can maintain the room temperature within 0.5°C of setting temperature and satisfy indoor comfort.



## ■ Top Class Low Noise Design

## Indoor Unit Noise Control

In accordance with application situation and structure, Hisense has been studying the technical means and installation methods for noise reduction of indoor units, the technical means and installation methods for noise reduction of indoor units from various aspects of fan motor, fan blade and air duct layout, which provides customers with the quietest air conditioned environment.



## Mini VRF

## Hi-Smart H Series

## Six Core Technologies

## ■ Outdoor Unit Noise Control



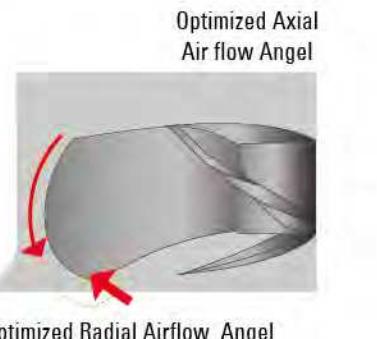
**Adoption of High Pressure Chamber rotation (twin Rotary) Compressor**  
Sophisticated manufacturing technology contributes to little vibration and low noise level.

**Noise Deadening of Fan Motor**

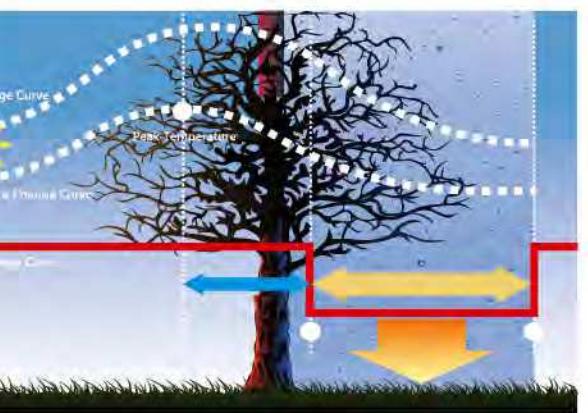
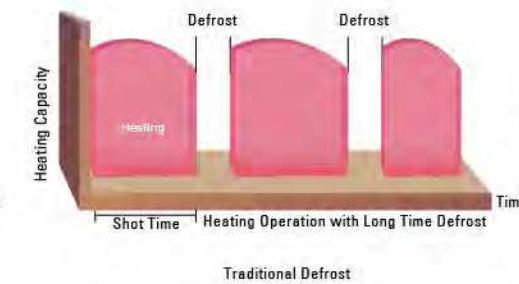
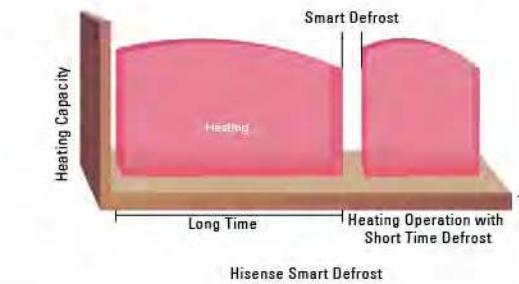
The material of fan motor is cast aluminum. The motor bracket is of non-resonant hanger structure, which ensures stable motor performance, lowers vibrating noise.

**New Efficient Axial Fan**

The newly developed efficient axial fan with new blade shape helps decrease turbulence around it. It is made of special material which has an obvious effect to absorb vibrating noise and minimizes the "Buzz" dramatically.

**Low Noise Mode at Night**

The outdoor unit has a peculiar function of night-shift setting, which reduces the noise level by max. 10dB(8HP) when in full-load operation.

**■ Intelligent Defrosting Technology**

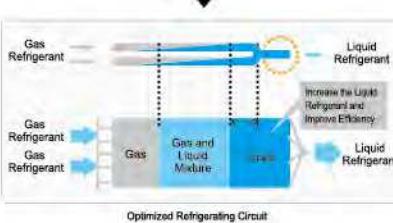
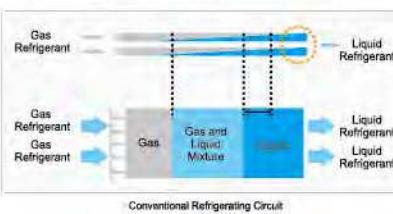
Hi-Smart H adopts the leading intelligent defrosting technology and precisely calculates the defrosting time, which largely increases effective heating operation time in winter and ensure heating capacity.

**■ New Efficient Heat Exchanger**

New efficient heat exchanger adopts 7.0 inner grooved copper pipes with high thermal conductivity and new Step Fin, which leads to air flow resistance reduction, even and full heat exchange and heat transfer improvement. Furthermore, the amount of frost on heat exchanger decreases in winter, which improves heating effect.

**Optimized Refrigerant Circuit Design**

The specially designed refrigerant flow circuit optimizes the efficiency of heat exchanger.

**Wavy Enveloped Fin with Fine Copper Heat Transfer**

New fin and copper pipe contribute to promote heat transfer efficiency.



## Mini VRF

## Four Unique Designs Create Refined Life

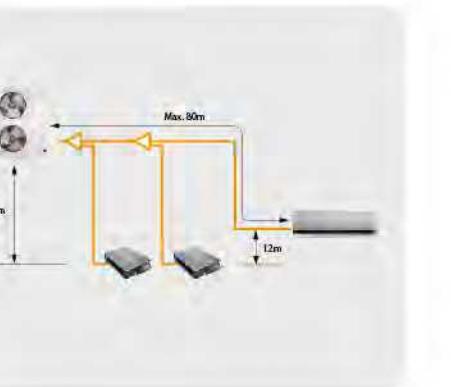
### ■ 01-Intelligent Multi-split Design

Hi-Smart H outdoor unit adopts the leading single-piping connection technology and connects multiple indoor units freely. The indoor unit adopts 500-step micro-computer EEV(electronic expansion valve) to achieve automatic refrigerant flow control according to indoor load, which results in more precise and comfortable temperature control. Hi-Smart provides various indoor units for selection according to room structure and function, which makes the high-grade air conditioning design match with the elegant home decoration style.



### ■ 03-Flexible Long Piping Design

Max. piping length is 80m. Max. height difference between outdoor and indoor units is 30m. Height difference between highest and lowest indoor units is 12m. Design and installation are more convenient.



### ■ 02-Slim and Refined Body Design



### ■ 04-Flexible Ways of Air Supply Design

Customers can choose different air supply ways according to different construction structure and interior decoration, which can realize all-directional circulating air flow and comfort in every corner of the rooms.



## Hi-Smart H Series

## Three Service Systems

### Provide High Quality Whole Customized Solution

Hisense always provides services for customers wholeheartedly through personalized custom design, superb technical teamwork and efficient after-sale service teamwork from the standpoints of customers, which creates excellent and high quality life for customers.

### ■ 01-Intelligent Multi-split Design

Adhering to the aim of the company -- "Serve Customers Wholeheartedly" and according to the customers' requirements, Hisense professional technical engineers provide recommended products combinations and optimized projects designs.

### ■ 02-High Quality Installation Services

Adhering to the aim of the company -- "Serve Customers Wholeheartedly", Hisense always proceeds from brand core values and customers' quality requirements, provides professional technical training for installation engineers, conducts installation work according to technical standards strictly, and performs fine commissioning work, which ensures good operation of the system.

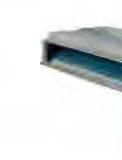
### ■ 03-High Quality After-sales Services

Adhering to the aim of the company -- "Serve Customers Wholeheartedly", Hisense remains efficient in service awareness, good professional quality and high-degree of social responsibility. Service personnel will arrive at the site in time, perform maintenance work in accordance with standard procedures and regulations strictly, and provide thoughtful and meticulous service for customers when they are having difficulties.



## Mini VRF

## Hi-Smart H Series

Outdoor Unit <b>R410A 50Hz</b>		Duct <b>R410A 50Hz</b>											
	42000 Btu/h		7000 Btu/h 9000 Btu/h 12000 Btu/h 15000 Btu/h										
	48000 Btu/h 54000 Btu/h 64000 Btu/h		18000 Btu/h 20000 Btu/h										
													
													
													
													
Model	AVW-42U45T	AVW-48U65P	AVW-54U65P	AVW-64U65P	Model	AVD-07UX45J	AVD-09UX45J	AVD-12UX45J	AVD-15UX45K	AVD-18UX45K	AVD-20UX45K		
Power Supply	220V-240V ~ /50Hz	380V-415V 3N ~ /50Hz	380V-415V 3N ~ /50Hz	380V-415V 3N ~ /50Hz	Power Supply	220V-240V ~ /50Hz	220V-240V ~ /50Hz	220V-240V ~ /50Hz	220V-240V ~ /50Hz	220V-240V ~ /50Hz	220V-240V ~ /50Hz		
Cooling	Cooling Capacity(kW)	12.5	14	16	18	Performance Parameter	Cooling Capacity(kW)	2.2	2.5	3.6	4.3	5	5.6
	Rated/Max. Power Input(kW)	3.520/6.632	3.65/8.0	4.39/8.0	5.23/8.0		Heating Capacity(kW)	2.8	3	4.2	4.9	5.6	6.5
	Rated/Max. Current Input(A)	17.0/29.0	6.5/14.0	8.0/14.0	9.0/14.0		Rated Power Input(W)	55	55	55	92	92	92
	EER	3.21	3.48	3.36	3.21		Rated Current Input(A)	0.3	0.3	0.3	0.42	0.42	0.42
Heating	Heating Capacity(kW)	16	17.5	19	22		Max. Power Input(W)	60	60	60	103	103	103
	Rated/Max. Power Input(kW)	3.750/6.632	4.06/8.0	4.61/8.0	5.72/8.0		Max. Current Input(A)	0.4	0.4	0.4	0.47	0.47	0.47
	Rated/Max. Current Input(A)	16.0/29.0	7.0/14.0	8.0/14.0	10.0/14.0	Fan Motor	Fan Motor Structure	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	COP	3.78	3.95	3.81	3.61		Nominal Air Flow (high/mid/low)(m³/h)	480/420/360	480/420/360	480/420/360	850/800/700	850/800/700	850/800/700
Energy Efficiency Level		1	1	1	1		Static Pressure (standard/high)(Pa)	10/30	10/30	10/30	10/30	10/30	10/30
Compressor Manufacturers/Models/Structure	MGC/TNB306FPGMC/Double Rotor	MGC/LNB42FSAMC/Double Rotor	MGC/LNB42FSAMC/Double Rotor	MGC/LNB42FSAMC/Double Rotor			Input Power(W)	55	55	55	92	92	92
Fan Motor Structure	Axial-flow Type	Axial-flow Type	Axial-flow Type	Axial-flow Type			Noise Value(high/mid/low) [dB(A)]	35/29/25	35/29/25	35/29/25	41/37/31	41/37/31	41/37/31
Fan Motor Nominal Output Power:high/middle/low(W)	138	120	120	120			Indoor Unit Dimensions(mm)	770×190×600	770×190×600	770×190×600	1170×190×447	1170×190×447	1170×190×447
Fan Speed:high/middle/low(r/min)	250 ~ 750	250 ~ 730	250 ~ 730	250 ~ 730			Indoor Unit Packing Measurement(mm)	946×236×700	946×236×700	946×236×700	1340×270×580	1340×270×580	1340×270×580
Refrigerant/Injection Rate(kg)	R410A/2.8	R410A/4.0	R410A/4.0	R410A/4.0			Air Outlet Dimensions(width x height)	676×140	676×140	676×140	971×120	971×120	971×120
Noise Value [dB(A)]	60	60	60	60			Air Inlet Dimensions(width x height)	700×169	700×169	700×169	1039×168	1039×168	1039×168
Outdoor Unit Dimensions(mm)	950×1050×340	950×1386×340	950×1386×340	950×1386×340			Control Device	Control Method	Wiring/Remote Controller	Wiring/Remote Controller	Wiring/Remote Controller	Wiring/Remote Controller	
Outdoor Unit Packing Measurement(mm)	1110×1200×460	1110×1530×460	1110×1530×460	1110×1530×460				Controller Configuration	Optional	Optional	Optional	Optional	
Liquid Line(diameter x wall thickness)(mm)	Φ9.52×0.8	Φ9.52×0.8	Φ9.52×0.8	Φ9.52×0.8				Piping Dimensions	Liquid Line(diameter x thickness)(mm)	Φ6.35×0.8	Φ6.35×0.8	Φ6.35×0.8	Φ6.35×0.8
Gas Line(diameter x wall thickness)(mm)	Φ15.88×1.0	Φ15.88×1.0	Φ15.88×1.0	Φ15.88×1.0				Gas Line(diameter x thickness)(mm)	Φ12.7×0.8	Φ12.7×0.8	Φ12.7×0.8	Φ12.7×0.8	
Outer Net/gross weight(kg)	82/89	105/115	105/115	105/115				Condensate Drain Pipe(diameter)(mm)	De32	De32	De32	De32	
Maximum Total Length of Pipe	50	80	80	80				Net/gross weight(kg)	20/24	20/24	25/30	25/30	
Maximum Height Difference	30	30	30	30				Cooling	Operating Temperature Range(°C)	15~43	15~43	15~43	15~43
Throttle Type	Electric Expansion Valve	Electric Expansion Valve	Electric Expansion Valve	Electric Expansion Valve				Heating		-10~24	-10~24	-10~24	-10~24

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2. The values given in the table for noise level reflect the levels in anechoic chamber.

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement. 2. The values given in the table for noise level reflect the levels in anechoic chamber.

## Mini VRF

## Hi-Smart H Series

Split R410A 50Hz				12000 Btu/h 14000 Btu/h 16000 Btu/h 18000 Btu/h		Cassette R410A 50Hz				12000 Btu/h 14000 Btu/h 16000 Btu/h 18000 Btu/h 20000 Btu/h	
Model	AC1Φ	AVS-12UR4SRZA	AVS-14UR4SRZA	AVS-16UR4SRZA	AVS-18UR4SNRZA	Model	AVC-12UX4SA	AVC-14UX4SA	AVC-16UX4SA	AVC-18UX4SA	AVC-20UX4SA
Power Supply	220-240V~/50Hz					Power Supply	220V-240V~/50Hz	220V-240V~/50Hz	220V-240V~/50Hz	220V-240V~/50Hz	220V-240V~/50Hz
Nominal Cooling Capacity	kW	3.6	4.3	4.6	5.0	Performance Parameter	Cooling Capacity(kW)	3.6	4.3	4.6	5
	kcal/h	3100	3700	4000	4300		Heating Capacity(kW)	4.2	4.9	5	5.6
	Btu/h	12300	14700	15700	17100		Rated Power Input(W)	90	90	90	90
Nominal Heating Capacity	kW	4.2	4.9	5.2	5.6		Rated Current Input(A)	0.5	0.5	0.5	0.5
	kcal/h	3600	4200	4500	4800		Max. Power Input(W)	100	100	100	100
	Btu/h	14300	16700	17700	19100		Max. Current Input(A)	0.6	0.6	0.6	0.6
Sound Pressure Level (High/Medium/Low) dB(A)	41/37/35	43/39/35	43/39/35	46/42/35		Fan Motor	Fan Motor Structure	—	—	—	—
Outer Dimensions W*H*D	mm	870x230x310	870x230x310	870x230x310	870x230x310		Nominal Air Flow(high/mid/low)(m³/h)	800/-/-	800/-/-	800/-/-	800/-/-
Packing Dimensions W*H*D	mm	960x400x340	960x400x340	960x400x340	960x400x340		Static Pressure(standard/high)(Pa)	—	—	—	—
Net Weight	kg	12	12	12	12		Input Power(W)	28	28	28	28
Gross Weight	kg	14	14	14	14		Noise Value(high/mid/low) [dB(A)]	46/-/-	46/-/-	46/-/-	46/-/-
Refrigerant		R410A(Nitrogen-charged for Corrosion-resistance)					Indoor Unit Dimensions(mm)	650x270x570	650x270x570	650x270x570	650x270x570
Indoor Fan Air Flow Rate	m³/h	600	700	700	800		Indoor Unit Packing Measurement(mm)	770x310x750	770x310x750	770x310x750	770x310x750
Motor Power	W	66	66	66	66		Air Outlet Dimensions(width x height)	—	—	—	—
Connections Refrigerant Piping		Flare-Nut Connection(with Flare Nuts)					Air Inlet Dimensions(width x height)	—	—	—	—
Liquid Line	mm	6.35	6.35	6.35	6.35		Control Device	Control Method	Wiring/Remote Controller	Wiring/Remote Controller	Wiring/Remote Controller
Gas Line	mm	12.7	12.7	12.7	12.7			Controller Configuration	Optional	Optional	Optional
Condensate Drain	mm	—	—	—	—		Piping Dimensions	Liquid Line(diameter x thickness)(mm)	Ø6.35x0.8	Ø6.35x0.8	Ø6.35x0.8
External Static Pressure (Low/High)	Pa	—	—	—	—			Gas Line(diameter x thickness)(mm)	Ø12.7x0.8	Ø12.7x0.8	Ø12.7x0.8
Air Outlet Size (W*H)	mm	—	—	—	—		Net/gross weight(kg)	20/27	20/27	20/27	20/27
Air Inlet Size (W*H)	mm	—	—	—	—		Cooling	Operating Temperature Range(°C)	15~43	15~43	15~43
							Heating		-10~24	-10~24	-10~24

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## Mini VRF

## Floor Standing

Ceiling Type R410A 50Hz							Floor Standing R410A				
Model		AVV-12UX45A 220V-240V ~/50Hz	AVV-14UX45A 220V-240V ~/50Hz	AVV-16UX45A 220V-240V ~/50Hz	AVV-18UX45A 220V-240V ~/50Hz	AVV-20UX45A 220V-240V ~/50Hz	Model No.	Type	AF-24ER4SL Cooling & Heating	AF-48ER6SL Cooling & Heating	AF-60ER6SL Cooling & Heating
Power Supply		220V-240V ~/50Hz	Ratings		24000	48000	55000				
Performance Parameter	Cooling Capacity(kW)	3.6	4.3	4.6	5	5.6	Cooling Capacity	Btu/h	7.0	14.1	16.1
	Heating Capacity(kW)	4.2	4.9	5	5.6	6.5	Heating Capacity	kW	25000	49000	60000
	Rated Power Input(W)	90	90	90	90	90	Rated Input-Cooling	kW	7.3	14.4	17.6
	Rated Current Input(A)	0.5	0.5	0.5	0.5	0.5	Rated Input-Heating	W	2420	5000	5735
	Max. Power Input(W)	100	100	100	100	100	Rated Input-Heater	W	2220	5100	6180
	Max. Current Input(A)	0.6	0.6	0.6	0.6	0.6	Moisture Removal	W	1900	3300	3300
Fan Motor	Fan Motor Structure	—	—	—	—	—	Air Circulation	L/H.r	2.5	5.5	6
	Nominal Air Flow(high/mid/low)(m³/h)	800/-/-	800/-/-	800/-/-	800/-/-	800/-/-	EER for Cooling	m³/h Max	1100	2000	2000
	Static Pressure(standard/high)(Pa)	—	—	—	—	—	COP for Heating	W/W	2.91	2.81	2.81
	Input Power(W)	28	28	28	28	28	Energy Class	W/W	3.30	2.82	2.85
Noise Value[high/mid/low] [dB(A)]	[41/-/-]	[41/-/-]	[41/-/-]	[41/-/-]	[41/-/-]	[41/-/-]	Cooling	C	—	—	—
Indoor Unit Dimensions(mm)	990x680x230	990x680x230	990x680x230	990x680x230	990x680x230	990x680x230	Heating	C	—	—	—
Indoor Unit Packing Measurement(mm)	1100x820x350	1100x820x350	1100x820x350	1100x820x350	1100x820x350	1100x820x350	Refrigerant	R410A	R410A	R410A	R410A
Air Outlet Dimensions(width x height)	—	—	—	—	—	—	Refrigerant charge volume	g	2480	4200	3900
Air Inlet Dimensions(width x height)	—	—	—	—	—	—	Indoor Unit Noise Level	High(dB(A))	49	62	62
Control Device	Control Method	Wiring/Remote Controller	Outdoor Unit Noise Level	Low(dB(A))	43	57	57				
Piping Dimensions	Controller Configuration	Optional	Optional	Optional	Optional	Optional	Outdoor Unit Noise Level	dB(A)	58	66	66
	Liquid Line(diameter x thickness)(mm)	Φ6.35x0.8	Φ6.35x0.8	Φ6.35x0.8	Φ6.35x0.8	Φ6.35x0.8	Power Supply	220-240V~,50Hz,1P	380V,50Hz,3P	380V,50Hz,3P	380V,50Hz,3P
	Gas Line(diameter x thickness)(mm)	Φ12.7x0.8	Φ12.7x0.8	Φ12.7x0.8	Φ12.7x0.8	Φ12.7x0.8	Voltage, Frequency, Phase	Cooling (A)	11.2	10.6	12.3
Net/gross weight(kg)	27/33	27/33	27/33	27/33	27/33	27/33	Rated Current	Heating (A)	10.3	10.9	13.2
Cooling	Operating Temperature Range(°C)	15~43	15~43	15~43	15~43	15~43	LRA	Heater (A)	8.6	7	7
Heating		-10~24	-10~24	-10~24	-10~24	-10~24	Connecting Pipe Diameter	A	50	66	63
							Liquid Pipe	inch	3/8	3/8	3/8
							Gas Pipe	inch	5/8	3/4	3/4
							Other	inch	—	—	—
							Net Dimensions	WxHxD (mm)	Indoor Unit	520x1667x255	540x1810x362
								Outdoor Unit	832x702x312	940x1243x440	
							Net Weight (Kg)	Indoor Unit	36	57	57
								Outdoor Unit	56	110	114
							Packing Dimensions WxHxD (mm)	Indoor Unit	660x1830x400	620x1960x450	
								Outdoor Unit	980x770x420	1130x1360x530	
							Gross Weight (Kg)	Indoor Unit	48	69	69
								Outdoor Unit	60	116	120
							Loading Capacity (20'/40'/40'HC)	Indoor Unit	44/93/95	18/39/44	18/39/44
								Outdoor Unit	—	—	—

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## Introduction of Hisense

Founded in 1969 as a small radio factory in China, Hisense has grown into a multi-billion dollar global conglomerate with a workforce of over 75,000 worldwide. The company is a world leader in flat-panel TVs, household appliances, and mobile communication devices. Hisense is recognized as a global Top 10 player by business intelligence industries and research institutions. Hisense is a household name in China and has been the country's market leader in flat-panel TVs for nine consecutive years since 2004.

Hisense's many subsidiaries are in the consumer electronics, home appliances, mobile communications, information technology, and real estate industries. With 17 production facilities and 7 R&D centers around the globe, its regional headquarters are located in North America, Europe, Asia-Pacific, Middle East, Africa, and Central and South America. Hisense products are sold in more than 130 countries with sales revenue of USD \$12.8 billion in 2012. In addition, Hisense has strategic partnerships with trusted global corporations such as IBM, Hitachi, and Whirlpool for the development and marketing of various products and services.

"Technology, Quality, Integrity, and Responsibility" are the four key elements of Hisense. Over the years, Hisense has developed energy-saving products that are more eco-friendly and has supported more than 2,000 primary schools in underdeveloped and disaster-impacted regions throughout China and across the world. Pursuing healthy operations, top quality, and honesty, Hisense has won the respect and loyalty of our business partners.



Layout of Overseas R&D Centers,  
Production Bases and Subsidiaries

- Overseas Production Base
- Overseas Subsidiary
- R&D Center
- Countries and Regions of Exported Products
- Sales Office