

Hisense

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ISO14001 ISO9001 ISO18001 HCAC-VRF-U2202504

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Hisense VRF



Reimagine your solution

Hisense

海信国际中心

Hisense SINCE 1969

Hisense is a well-known large-scale electronic information industrial group. With strong emphasis on technology and innovation, its efficient technological innovation system firmly grounds Hisense at the forefront of its peers. At present, Hisense brand family has expanded to include multiple famous brand Hisense, Toshiba, Gorenje and ASKO.

SINCE 1969

BUSINESS OVERVIEW

Multimedia

TV and Display Devices
Internet TV Operation
Mobile Communication Devices
Optical Communication
Devices
Chip

Household Appliances

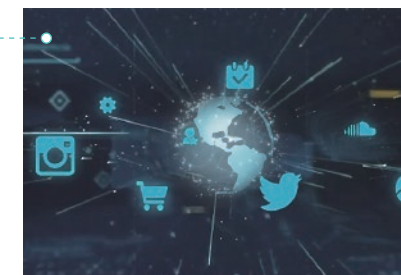
Refrigerator
Freezer
Air-conditioner
Washing Machine
Kitchen Appliance

IT Smart Systems

Smart City
Smart Community
Smart Transportation
Smart Business
Medical Electronic Devices
Smart Home System and Service

Real Estate & Modern Services

Real Estate
High-end Shopping Mall Chain
Mould Design and Manufacturing
Finance
Trade



GLOBAL HISENSE SINCE 1969

Hisense has started a long-term sports marketing strategy to increase brand awareness worldwide. After the successful sponsorship of **UEFA EURO 2016 & 2020 & 2024** and **FIFA WORLD CUP 2018 & 2022**, Hisense has made clear its focus on football. Hisense also is the official partner of **FIFA Club World Cup 2025**.



2016

Official Partner of
UEFA EURO 2016



2018

Official Sponsor of
2018 FIFA World Cup



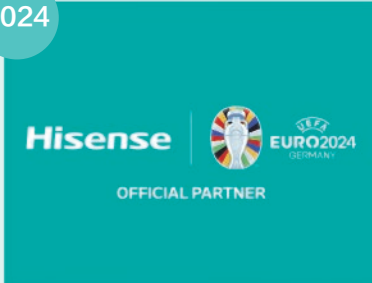
2020

Official Partner of
UEFA EURO 2020



2022

Official Sponsor of
2022 FIFA World Cup



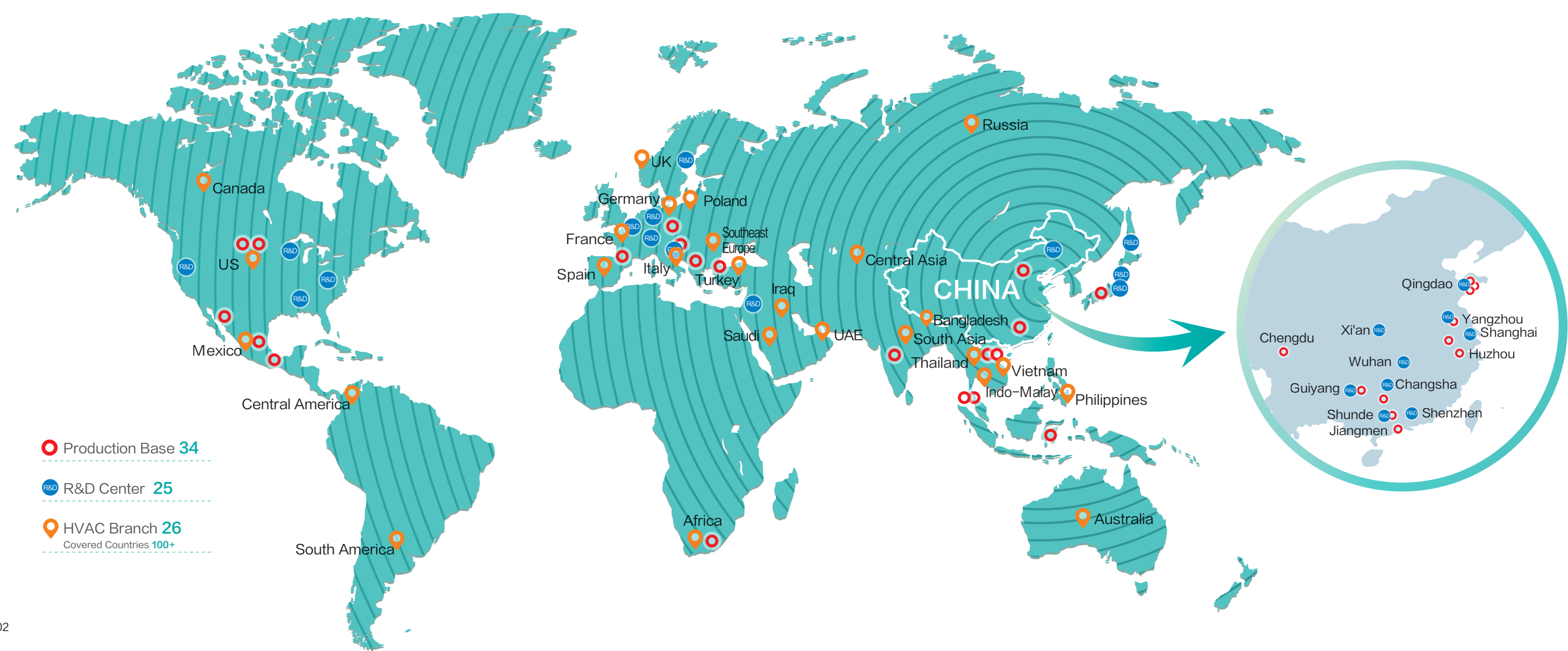
2024

Official Partner of
UEFA EURO 2024



2025

Official Partner of
FIFA Club World Cup 2025

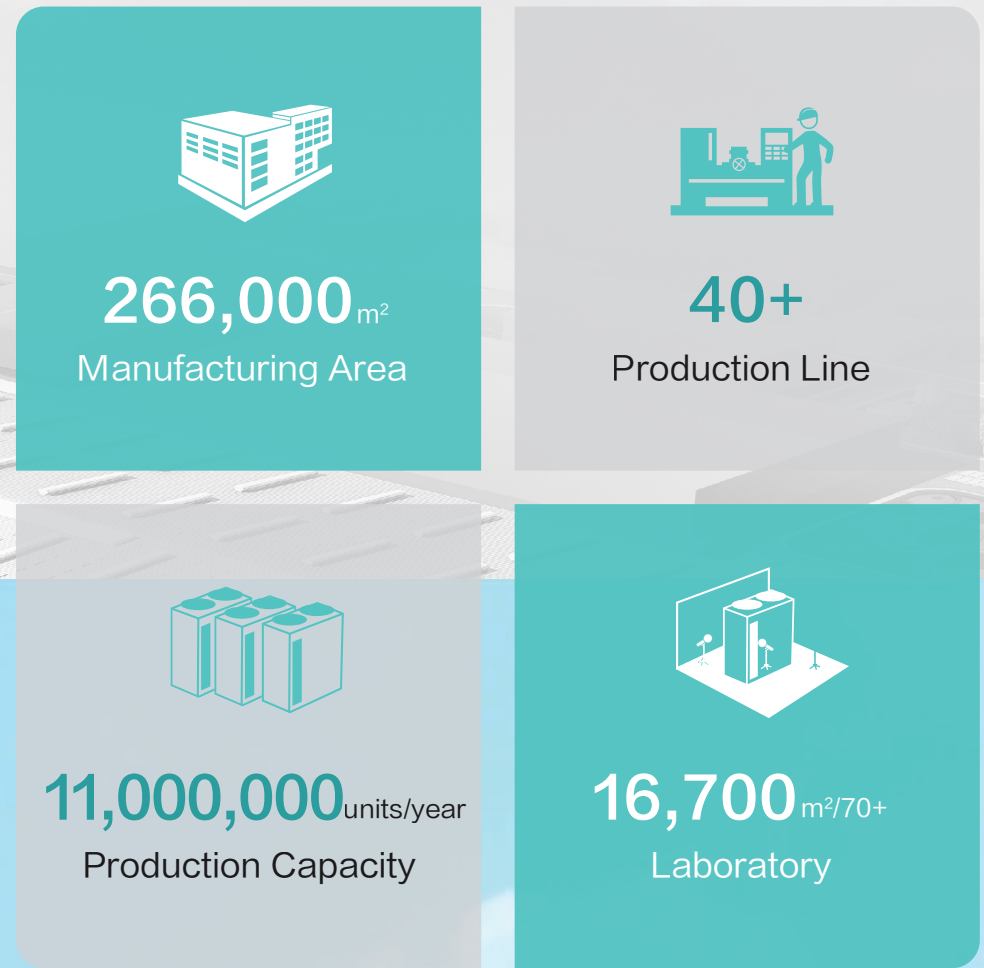


Hisense HVAC MANUFACTURING BASE

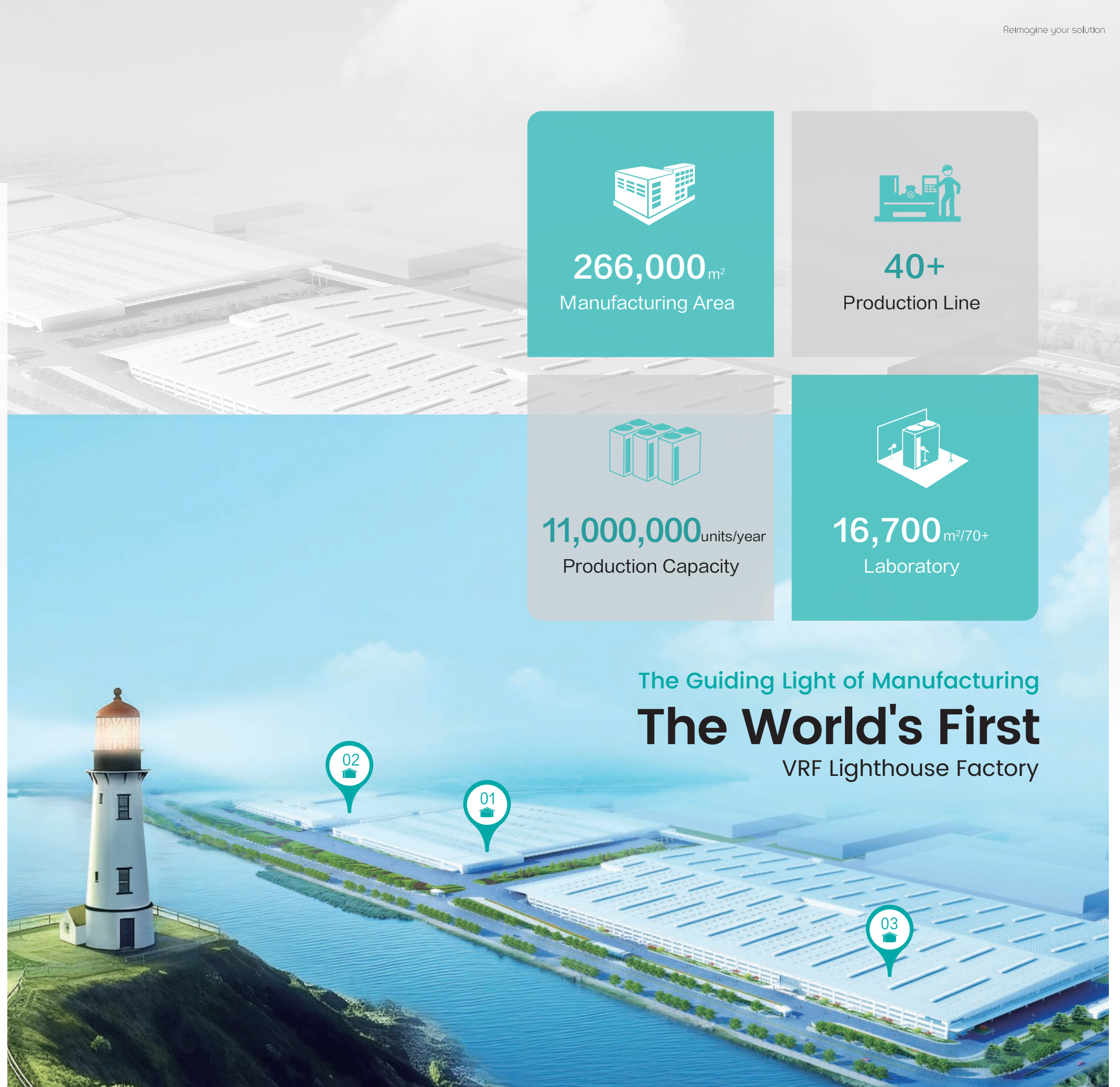
Qingdao Hisense HVAC Equipment Co. Ltd. is a leading manufacturer of heating, ventilation, air conditioning and other HVAC equipments, integrated with the product development, manufacturing, sales and after-sales service as a whole.

Hisense HVAC always regards product technology research and development as the most important value. With strong technological innovation capabilities, Hisense HVAC has participated in the formulation and revision of 112 national standards, industry standards and association standards, and boasts 2020 authorized patents in the field of CAC and heat pump products. With the great support of all shareholders and customers, Hisense HVAC is expected to become the leading brand in the industry.

Note: The above data is as of Dec. 31th, 2024.



The Guiding Light of Manufacturing
The World's First
VRF Lighthouse Factory



Have you been troubled by these issues when choosing an air conditioning system?

Hisense light commercial inverter air conditioning Hi-Smart U2 Series offers more energy-saving and efficient performance. With its ultra-high installation convenience, comfort, and stability, it provides comprehensive and high-quality air solutions for small to medium-sized commercial spaces.



Flower Shops

Outdoor units affects the aesthetics of storefront



Hotels

Slow cooling and heating speed makes the front desk phone ringing non-stop



Restaurants

High operating noise disturbs customers' dining experience



Offices

Unstable equipment operation leads to a poor work environment



Coffee Shops

Limited air circulation leads to uneven cooling and heating



Convenience Stores

Leaving doors open consistently results in high electricity bills

Hisense Inverter Commercial Air Conditioning

Hi-Smart U2 Series

Nowadays, people's demands for environmental comfort are increasingly high! Hi-Smart U2 series, tailored for small and medium-sized commercial spaces, provides a comprehensive air solution that offers comfortable heating and cooling, as well as high-quality energy efficiency.



R32 Eco-friendly refrigerant



Stable cooling at 54°C



O/IDUs self-cleaning technology



Anti-overflow worry-free protection





High Efficiency

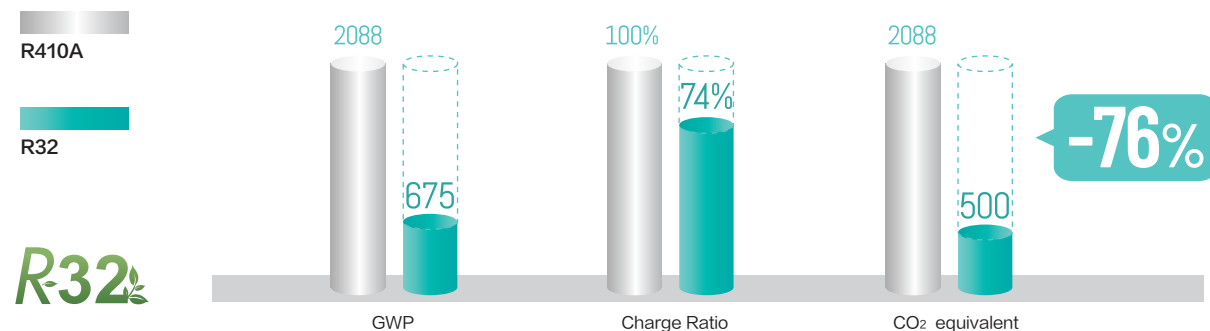


► Eco-friendly R32 Refrigerant

Hisense HVAC introduces the lower GWP refrigerant R32 on its VRF products, which is a perfect solution for attaining the CO₂ emission targets. We are determined to become CO₂ neutral by 2050 and create a sustainable future together with you.

Features

- ◆ Zero Ozone Depletion Potential (ODP)
- ◆ Less charge amount under the same capacity
- ◆ Lower Global Warming Potential (GWP)
- ◆ Single component refrigerant, easy to handle and recycle



► Powerful DC Inverter Control

DC inverter compressor

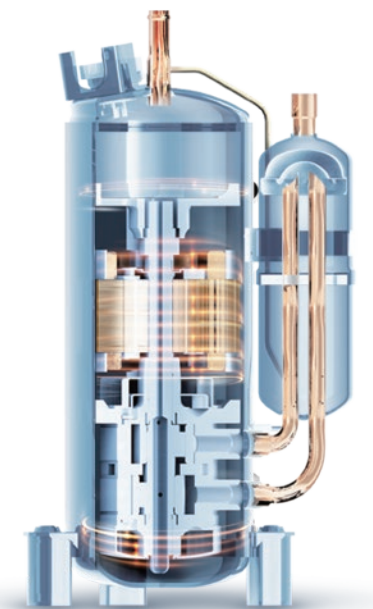
The DC inverter compressor automatically adapts to load changes, making operation more energy-efficient. Its smooth start and stop minimize indoor temperature fluctuations, providing optimal indoor comfort. Besides, the symmetric dual-pressure chamber effectively reduces compressor vibration and noise.



Wide frequency range
Load self-adaptation

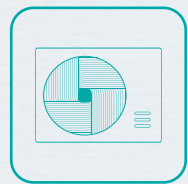


Smooth start and stop
Minimal temperature fluctuations



DC inverter fan

The self-developed inverter fan motor automatically adjusts speed based on environmental conditions and air conditioning load. Along with the compressor's stepless inverter technology, it ensures high-precision temperature adjustment.



High Comfort



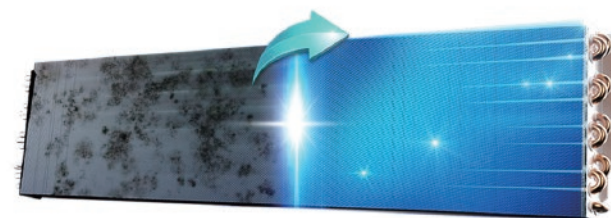
► ODU Self-cleaning

Keep your air conditioner performing at its best with Hi-Smart U2's innovative dust-cleaning technology. Our outdoor fan reverses direction to efficiently remove accumulated dust, reducing air resistance and maintaining optimal heat exchange. Experience uninterrupted comfort for the long run with Hi-Smart U2.



► IDU Self-cleaning

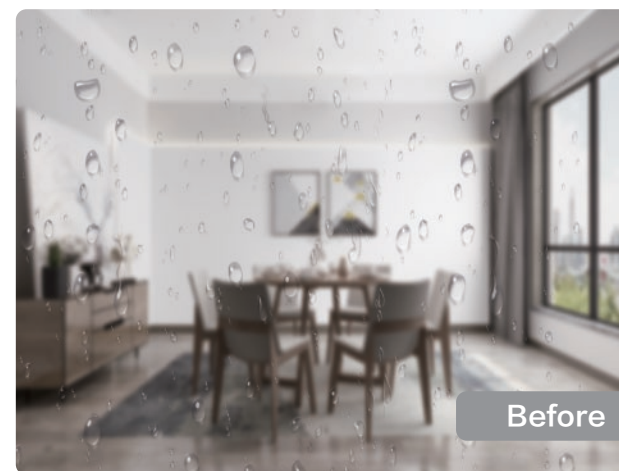
The unit is featured with self-cleaning function. With just a touch on the controller, the unit cleans itself automatically without manual intervention. It not only ensures clean and healthy air supply but also saves your valuable time and cost.



3 processes for deep cleaning

► Humidity Sensor(Optional)

Equipped with 56 levels of humidity adjustment, it allows humidity to be set within the body-comfortable range from 35% to 90%. The system precisely balances indoor temperature and humidity to achieve a comfortable indoor environment.



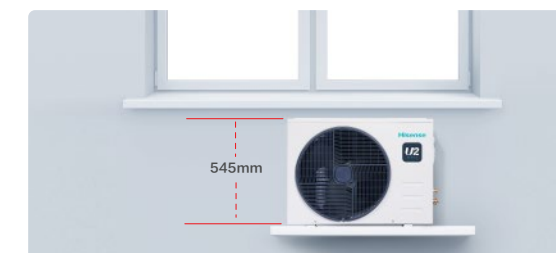
Before



After

► Slim Body for Easy Installation

Outdoor units are designed with a single fan, with a minimum body height of only 545mm for flexible installation position.





High Stability



► Wide Operation Range

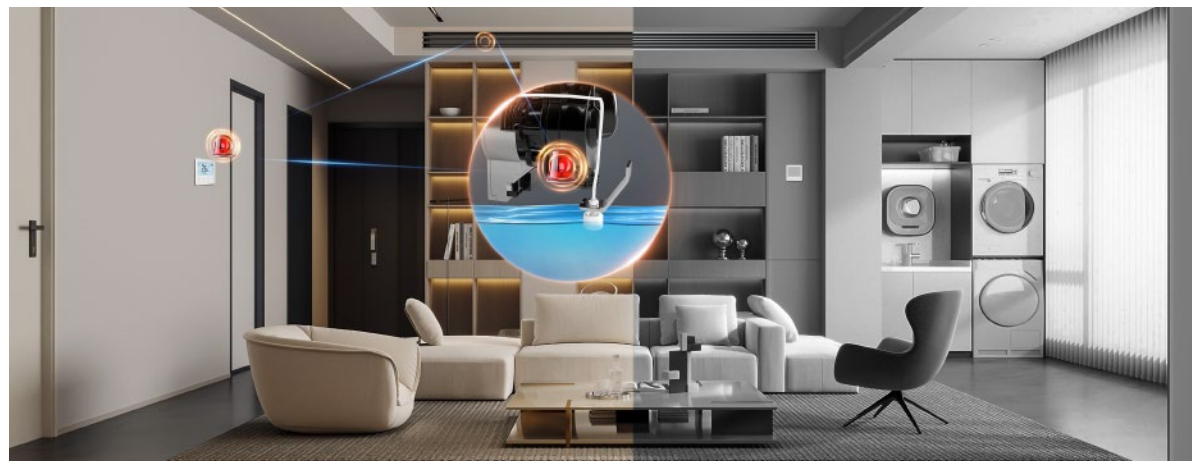
Hi-Smart U2 series can operate in a wide ambient temperature range as low as -20°C for heating and up to 52°C for cooling ensuring efficient operation in a variety of extreme weather conditions. The system remains 100% cooling capacity in high-temperature up to 43°C , and enables continuous cooling without shutdown in extreme high temperature up to 52°C , ensuring efficient operation for diverse regional and environmental usage requirements.



Note: The above operation range is based on 1 to 3HP. Please refer to the specification for different units. Continuous cooling can be achieved in 220V power supply.

► Anti-drainage

Indoor units are equipped with build-in water-leakage float switches. An alarm will be displayed on controllers when condensate water reaches a certain level. Save your ceiling and carpet from being soaked in time when drain pipe is clogged or drain pump breaks down.



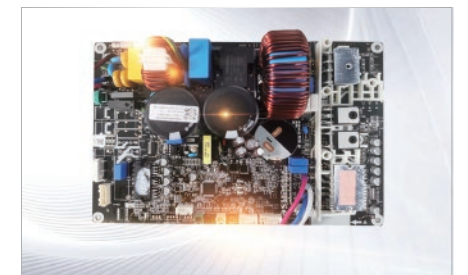
► PTC Auxiliary Heating

The indoor unit comes standard with PTC(Positive Temperature Coefficient) electric auxiliary heating to rapidly raise room temperature. Equipped with a built-in temperature switch and thermal fuse which tested through 10,000 consecutive start and stop, it also provides dual safety protection.



► Heat-resistant Electronic Components

With exceptional resistance to high temperatures and high currents, the PCB mitigates the impact of high-temperature and high-humidity environments.

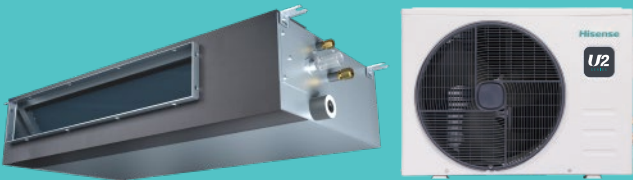


► Direct Refrigerant Cooling

This electrical box is cooled by aluminum refrigerant kit, reducing thermal resistance by 20% compared to previous copper kit. It ensures efficient and stable operation at extreme high temperatures.



Ducted Type (Low-height)

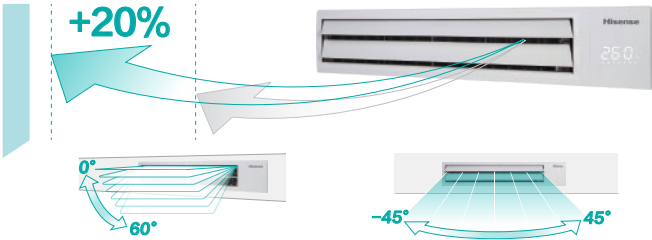


► Reduced Noise Level

There are multiple levels by setting different frequencies of compressor and fan motor speed, ensuring a comfortable and quiet environment during system operation.

► 3D Air-flow Panel(optional)

The 3D air-flow panel with luxurious appearance is available for the low-height ceiling ducted indoor units (optional). The 3D airflow panel can offer even airflow and wide airflow coverage to keep every corners of your room cool or warm. It also has three wind setting, normal mode, 3D mode and super long distance mode, flexible for you choice.



Note
It's optional for the AC/DC low height ceiling ducted unit.

► Flexible Installation

Wide ESP adjustment range can meet medium to high static pressure application requirements, providing flexible design and convenient installation.

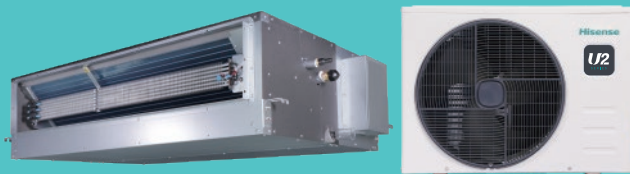
► Anti-drainage

Indoor units are equipped with build-in water-leakage float switches. An alarm will be displayed on controllers when condensate water reaches a certain level. Save your ceiling and carpet from being soaked in time when drain pipe is clogged or drain pump breaks down.



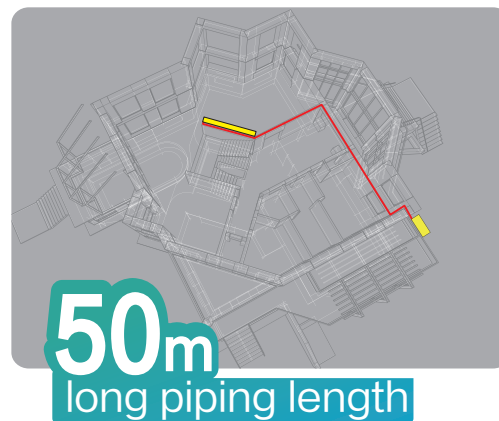
Model			AUWE-09HGFPL2	AUWE-12HGFPL2	AUWE-18HGFPL2	AUWE-24HGFPL2
HP			1.0	1.5	2.0	3.0
Model	ODU		AUW-09HGFP2	AUW-12HGFP2	AUW-18HGFP2	AUW-24HGFP2
	IDU		AUE-09HGFDL2	AUE-12HGFDL2	AUE-18HGFDL2	AUE-24HGFDL2
Power Supply	ODU	—	1Ph, 220V/50Hz	1Ph, 220V/50Hz	1Ph, 220V/50Hz	1Ph, 220V/50Hz
	IDU	—	1Ph, 220V/50Hz	1Ph, 220V/50Hz	1Ph, 220V/50Hz	1Ph, 220V/50Hz
	Supply Method		From IDU			
Cooling	Operation range	℃	15~52	15~52	15~52	15~52
	Capacity	kW	2.6	3.5	5.0	7.2
	Power input	kW	0.9	1.3	1.65	3.2
Heating	Operation range	℃	-20~24	-20~24	-20~24	-20~24
	Capacity	kW	3.1+0.9	3.9+0.9	5.8+1.4	8.2+1.8
	Power input	kW	1.1+0.9	1.26+0.9	1.95+1.4	2.6+1.8
Sound Pressure	IDU (High/Medium/Low)	dB(A)	29/26/24	33/27/24	36/27/26	37/30/28
	IDU (Cooling/Heating)	dB(A)	50/52	51/52	51/53	54/55
Dimensions	ODU(WxHxD)	mm	735x545x260	735x545x260	810x585x280	900x665x320
	IDU(WxHxD)	mm	700x190x447	700x190x447	910x190x447	1180x190x447
Piping design	Connection type	—	Flare Connection			
	Max. total piping length	m	15	15	20	20
	Max. height difference	m	5	5	10	10
	Gas	mm	Φ9.53	Φ9.53	Φ12.7	Φ12.7
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35

Ducted Type (High ESP)



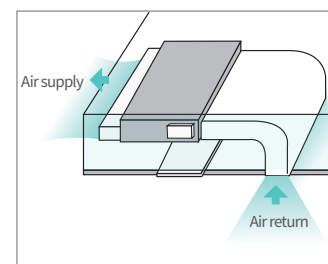
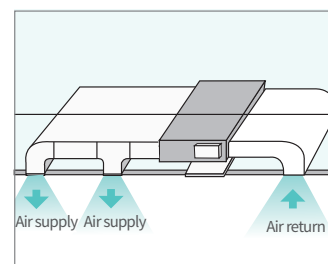
► Long Piping Length

The long piping length and height difference between the indoor and outdoor units meet the requirements of various application scenarios.



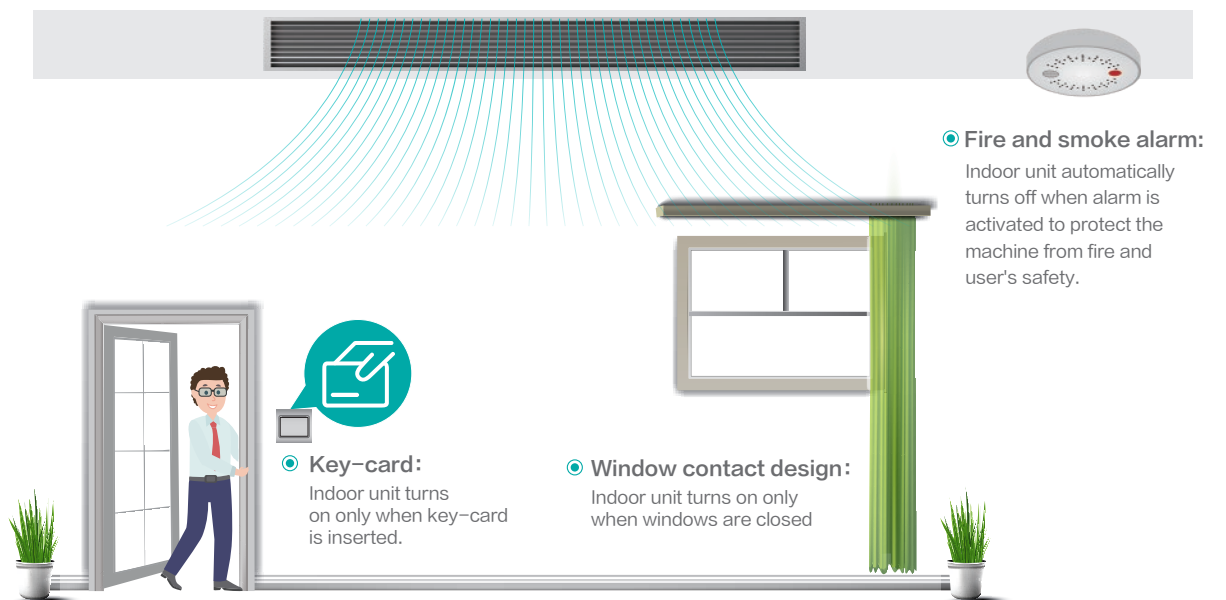
► Two ESP Options

Two ESP levels can be adjusted to meet different application requirements, providing flexible design and convenient installation.



► Indoor Unit Dry Contact Interface

In the indoor unit, ports are reserved for wider choice range of applications to turn the AC unit ON or OFF, like key-card power, window contact power and any other sensors or devices.



Ducted Type



Model			AUWD-24HGDU3	AUWD-42HGDU3-1	AUWD-42HGDU3	AUWD-48HGDU3	AUWD-54HGDU3
IDU Model		—	AUD-24HCDH2	AUD-42HCDH2-1	AUD-42HCDH2	AUD-48HCDH2	AUD-54HCDH2
ODU Model		—	AUW-24HGDU3E	AUW-42HGDU3E-1	AUW-42HGDU3E	AUW-48HGDU3E	AUW-54HGDU3E
Power Supply	IDU	—	220V ~ 50Hz	220V ~ 50Hz	220V ~ 50Hz	220V ~ 50Hz	220V ~ 50Hz
	ODU	—	/	220V ~ 50Hz	220V ~ 50Hz	220V ~ 50Hz	220V ~ 50Hz
	Supply Method		From IDU	Independent IDU and ODU Power Supply			
Cooling	Capacity	kW	7.2	12	12	14.1	15.5
	Power input	kW	3.03	4.79	4.88	5.67	6.61
Heating	Capacity	kW	8.0+1.5	13.2+2.0	13.2+2.0	15.2+2.0	16.0+2.0
	Power input	kW	2.70+1.5	4.08+2.0	4.17+2.0	4.49+2.0	4.82+2.0
IDU	Air Flow Rate (High/Medium/Low)	m³/min	18.5/13.2/9.5	28/24/19.5	35.5/29/25	39/31/24	39/31/24
	Sound Pressure	dB(A)	39/35/30	39/35/31	46/43/38	47/43/38	47/43/38
	External Static Pressure	Pa	50(80)	60	70(100)	70(100)	70(100)
	Net Dimensions (W×H×D)	mm	900×270×720	1100×300×800	1400×300×800	1400×300×800	1400×300×800
	Net Weight	kg	32	43.5	52.5	53	53
	Air Supply Dimensions (W×H)	mm	856×225	1047×256	1347×256	1347×256	1347×256
	Air Return Dimensions (W×H)	mm	832×138	1036×195	1336×195	1336×195	1336×195
ODU	Air Flow	m³/min	52	75	75	75	75
	Sound Pressure	dB(A)	54/55	59/59	59/59	59/59	59/59
	Net Dimensions (W×H×D)	mm	900×665×320	980×770×360	980×770×360	980×770×360	980×770×360
	Net Weight	kg	37.5	72	64	72	72
Refrigerant Type		—	R32	R32	R32	R32	R32
Max. Design Pressure		MPa	4.30/2.21	4.30/2.21	4.30/2.21	4.30/2.21	4.30/2.21
Piping	Liquid	mm	6.35	9.53	9.53	9.53	9.53
	Gas	mm	12.7	15.88	15.88	15.88	15.88
	Max. Length	m	20	50	50	50	50
	Max. Height Difference	m	10	30	30	30	30
Operation Range	Cooling	℃	-5~52	-5 ~ 52	-5 ~ 52	-5 ~ 52	-5 ~ 52
	Heating	℃	-15~24	-20 ~ 24	-20 ~ 24	-15 ~ 24	-15 ~ 24

Notes:

1. The nominal cooling capacity and heating capacity are based on the following conditions:

Cooling Operation Conditions:

Indoor Air Inlet Temperature: 27℃ DB, 19℃ WB

Outdoor Air Inlet Temperature: 35℃ DB

Heating Operation Conditions:

Indoor Air Inlet Temperature: 20℃ DB.

Outdoor Air Inlet Temperature: 7℃ DB, 6℃ WB

2. The sound pressure was measured in an anechoic chamber, so that the reflected sound should be taken into consideration during actual operation.

Model			AUWD-42H6DU3	AUWD-48H6DU3	AUWD-54H6DU3
IDU Model		—	AUD-42HEDH2	AUD-48HEDH2	AUD-54HEDH2
ODU Model		—	AUW-42H6DU3E	AUW-48H6DU3E	AUW-54H6DU3E
Power Supply	IDU	—	220V ~ 50Hz	220V ~ 50Hz	220V ~ 50Hz
	ODU	—	380V 3N ~ 50Hz	380V 3N ~ 50Hz	380V 3N ~ 50Hz
	Supply Method		From ODU		
Cooling	Capacity	kW	12	14.1	15.5
	Power input	kW	3.8	5	6.15
Heating	Capacity	kW	13.2+2.0	15.2+2.0	16+2.0
	Power input	kW	3.45+2.0	4.5+2.0	4.70+2.0
IDU	Air Flow Rate (High/Medium/Low)	m³/min	35.5/29/25	39/31/24	39/31/24
	Sound Pressure	dB(A)	46/43/38	46/43/38	46/43/38
	External Static Pressure	Pa	70(100)	70(100)	70(100)
	Net Dimensions (W×H×D)	mm	1400×300×800	1400×300×800	1400×300×800
	Net Weight	kg	52	53	53
	Air Supply Dimensions (W×H)	mm	1347×256	1347×256	1347×256
	Air Return Dimensions (W×H)	mm	1336×195	1336×195	1336×195
ODU	Air Flow	m³/min	78	80	80
	Sound Pressure	dB(A)	59	59	61
	Net Dimensions (W×H×D)	mm	950×800×320	950×990×320	950×990×320
	Net Weight	kg	66	83	83
Refrigerant Type		—	R32	R32	R32
Max. Design Pressure		MPa	4.30/2.21	4.30/2.21	4.30/2.21
Piping	Liquid	mm	9.53	9.53	9.53
	Gas	mm	15.88	15.88	15.88
	Max. Length	m	30	30	30
	Max. Height Difference	m	20	20	20
Operation Range	Cooling	℃	18 ~ 48	18 ~ 48	18 ~ 48
	Heating	℃	-15 ~ 25	-15 ~ 25	-15 ~ 25

Notes:

1. The nominal cooling capacity and heating capacity are based on the following conditions:

Cooling Operation Conditions:

Indoor Air Inlet Temperature: 27℃ DB, 19℃ WB

Outdoor Air Inlet Temperature: 35℃ DB

Heating Operation Conditions:

Indoor Air Inlet Temperature: 20℃ DB.

Outdoor Air Inlet Temperature: 7℃ DB, 6℃ WB

2. The sound pressure was measured in an anechoic chamber, so that the reflected sound should be taken into consideration during actual operation.

4-way Cassette



► Standard with Drian Pump

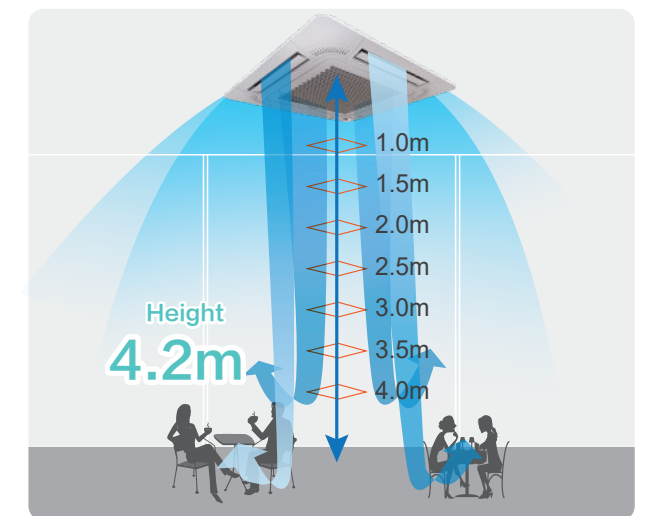
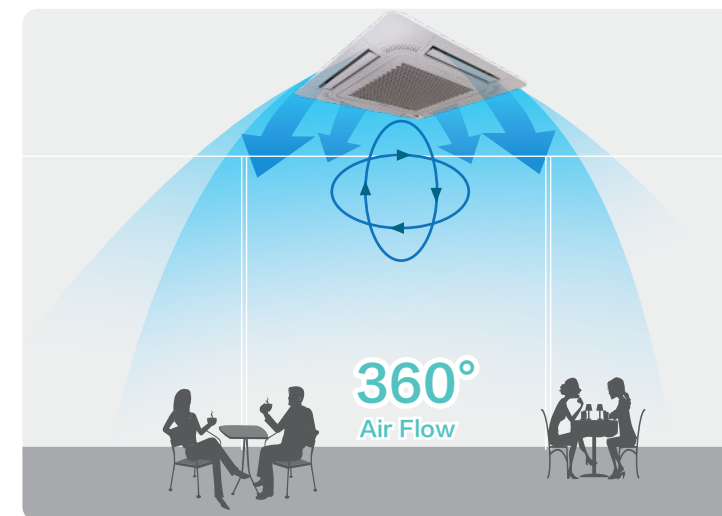
Equipped with a high-sensitivity float switch and a high-lift DC drian pump, this unit effectively prevents condensate water overflow, ensuring a reliable and safe operation, while avoiding issues such as drainage blockage, leaks, and ceiling damage.



VS

► 4 Way Air Flow for Even Temp

Thanks to the 360° air supply and the adjustment of the blade position, the airflow can be distributed throughout the entire indoor space, creating more even airflow.



4-way Cassette



Model			AUWC-18HGDU3	AUWC-24HGDU3	AUWC-42HGDU3	AUWC-48HGDU3	AUWC-54HGDU3
IDU		—	AUBC-18HJDK4	AUBC-24HJDK4	AUBC-42HJDK4	AUBC-48HJDK4	AUBC-54HJDK4
ODU		—	AUW-18HGDU3E	AUW-24HGDU3E	AUW-42HGDU3E	AUW-48HGDU3E	AUW-54HGDU3E
Power Supply	IDU	—	220V ~ 50Hz	220V ~ 50Hz	220V ~ 50Hz	220V ~ 50Hz	220V ~ 50Hz
	ODU	—	/	/	220V ~ 50Hz	220V ~ 50Hz	220V ~ 50Hz
	Supply Method		From IDU		Independent IDU and ODU Power Supply		
Cooling	Capacity	kW	5.00(0.8~6.0)	7.2	12	14.1	15.5
	Power Input	kW	1.31 (0.3~1.7)	2.27	4.64	5.4	6.35
Heating	Capacity	kW	6.2(1.2~6.8)+1.5	8.0+1.5	13.2+1.6	15.2+1.6	16.0+1.6
	Power Input	kW	1.40 (0.4~1.6) +1.5	2.05+1.5	3.93+1.6	4.22+1.6	4.56+1.6
IDU	Air Flow Rate (High/Medium/Low)	m³/min	21/17.5/15	21/17.5/15	30/27/19	33/28/24	33/28/24
	Sound Pressure (High/Medium/Low)	dB(A)	42/39/35	42/39/35	47/44/39	50/44/41	50/44/41
	Net Dimensions (W×H×D)	mm	840×840×238	840×840×238	840×840×288	840×840×288	840×840×288
	Net Weight	kg	23	23	28	28	28
ODU	Air Flow	m³/min	52	52	75	75	75
	Sound Pressure	dB(A)	54/55	54/55	59/59	59/59	59/59
	Net Dimensions (W×H×D)	mm	900×665×320	900×665×320	980×770×360	980×770×360	980×770×360
	Net Weight	kg	37.5	37.5	64	72	72
Refrigerant Type		—	R32	R32	R32	R32	R32
Max. Design Pressure		MPa	4.30/2.21	4.30/2.21	4.30/2.21	4.30/2.21	4.30/2.21
Piping	Liquid	mm	6.35	6.35	9.53	9.53	9.53
	Gas	mm	12.7	12.7	15.88	15.88	15.88
	Max. Length	m	20	20	50	50	50
	Max. Height Difference	m	10	10	30	30	30
Operation Range	Cooling	℃	-5~52	-5~52	-5 ~ 52	-5 ~ 52	-5 ~ 52
	Heating	℃	-15~24	-15~24	-20 ~ 24	-15 ~ 24	-15 ~ 24

Notes:

1. The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions:
Indoor Air Inlet Temperature: 27℃ DB, 19℃ WB
Outdoor Air Inlet Temperature: 35℃ DB

Heating Operation Conditions:
Indoor Air Inlet Temperature: 20℃ DB.
Outdoor Air Inlet Temperature: 7℃ DB, 6℃ WB

2. The sound pressure was measured in an anechoic chamber, so that the reflected sound should be taken into consideration during actual operation.

Model			AUWC-42H6DU3	AUWC-48H6DU3	AUWC-54H6DU3
IDU		—	AUBC-42HEDK4	AUBC-48HEDK4	AUBC-54HEDK4
ODU		—	AUW-42H6DU3E	AUW-48H6DU3E	AUW-54H6DU3E
Power Supply	IDU	—	220V ~ 50Hz	220V ~ 50Hz	220V ~ 50Hz
	ODU	—	380V 3N ~ 50Hz	380V 3N ~ 50Hz	380V 3N ~ 50Hz
	Supply Method		From ODU		
Cooling	Capacity	kW	12	14.1	15.5
	Power Input	kW	3.85	5	5.96
Heating	Capacity	kW	13.2+1.6	15.2+1.6	16.0+1.6
	Power Input	kW	3.40+1.6	4.5+1.6	4.75+1.6
IDU	Air Flow Rate (High/Medium/Low)	m³/min	30/27/19	33/28/24	33/28/24
	Sound Pressure (High/Medium/Low)	dB(A)	48/44/39	49/44/41	49/44/41
	Net Dimensions (W×H×D)	mm	840×288×840	840×288×840	840×288×840
	Net Weight	kg	28	28	28
ODU	Air Flow	m³/min	78	80	80
	Sound Pressure	dB(A)	59	59	61
	Net Dimensions (W×H×D)	mm	950×800×320	950×990×320	950×990×320
	Net Weight	kg	66	83	83
Refrigerant Type		—	R32	R32	R32
Max. Design Pressure		MPa	4.30/2.21	4.30/2.21	4.30/2.21
Piping	Liquid	mm	9.53	9.53	9.53
	Gas	mm	15.88	15.88	15.88
	Max. Length	m	30	30	30
	Max. Height Difference	m	20	20	20
Operation Range	Cooling	℃	18 ~ 48	18 ~ 48	18 ~ 48
	Heating	℃	-15 ~ 25	-15 ~ 25	-15 ~ 25

Notes:

1. The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions:
Indoor Air Inlet Temperature: 27℃ DB, 19℃ WB
Outdoor Air Inlet Temperature: 35℃ DB

Heating Operation Conditions:
Indoor Air Inlet Temperature: 20℃ DB.
Outdoor Air Inlet Temperature: 7℃ DB, 6℃ WB

2. The sound pressure was measured in an anechoic chamber, so that the reflected sound should be taken into consideration during actual operation.

Large Ceiling Ducted & Cabinet



► 220Pa ESP, Adapting to Various Commercial Spaces

The indoor unit can achieve a maximum static pressure of 220Pa*, and can be connected to air ducts as needed. Whether it is irregular spaces or commercial spaces with high ceilings, it can easily adapt to them.

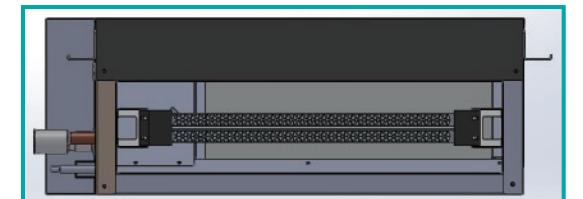
220
Pa



► Auxiliary Heating

The ducted and cabinet units are both equipped with a standard 6kW PTC auxiliary electric heater, which automatically activates when outdoor ambient temperature is below 0°C, ensuring strong heating capability even in severe cold conditions.

Note: Applicable to model 96HJFU1.



► Self-cleaning Function

Featured with self-cleaning technology, the evaporator can be self-cleaned automatically, preventing the dust and potentially harmful substances from accumulating on the surface of the heat exchanger. Thus the air blown from the air conditioner is clean and healthy.



Pretreatment



Rapid Frosting



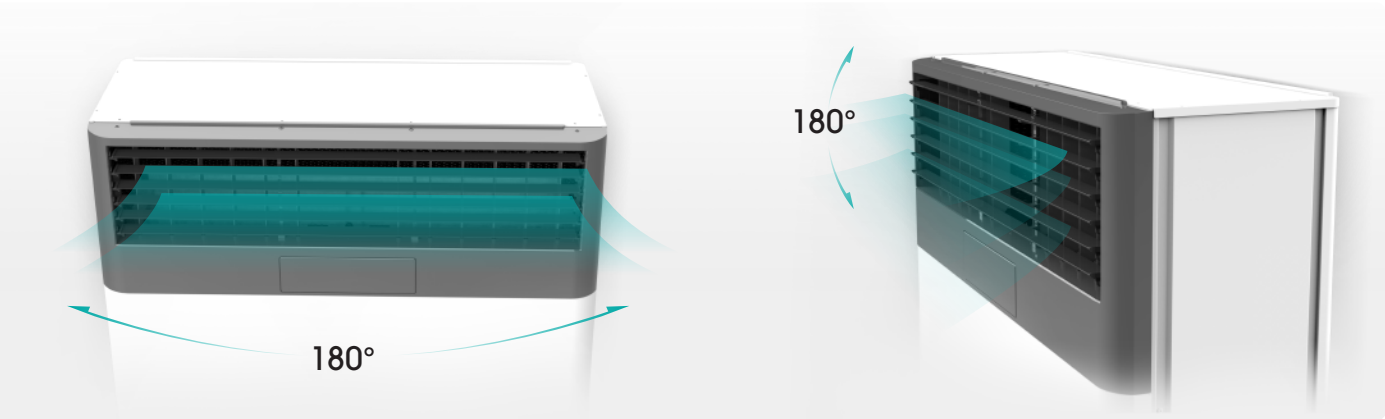
Defrosting

► Stylish Appearance

The cabinet adopts a brand-new industrial design, with a front without nails and a smooth appearance, simple and atmospheric, suitable for commercial spaces such as shops, offices, and restaurants.

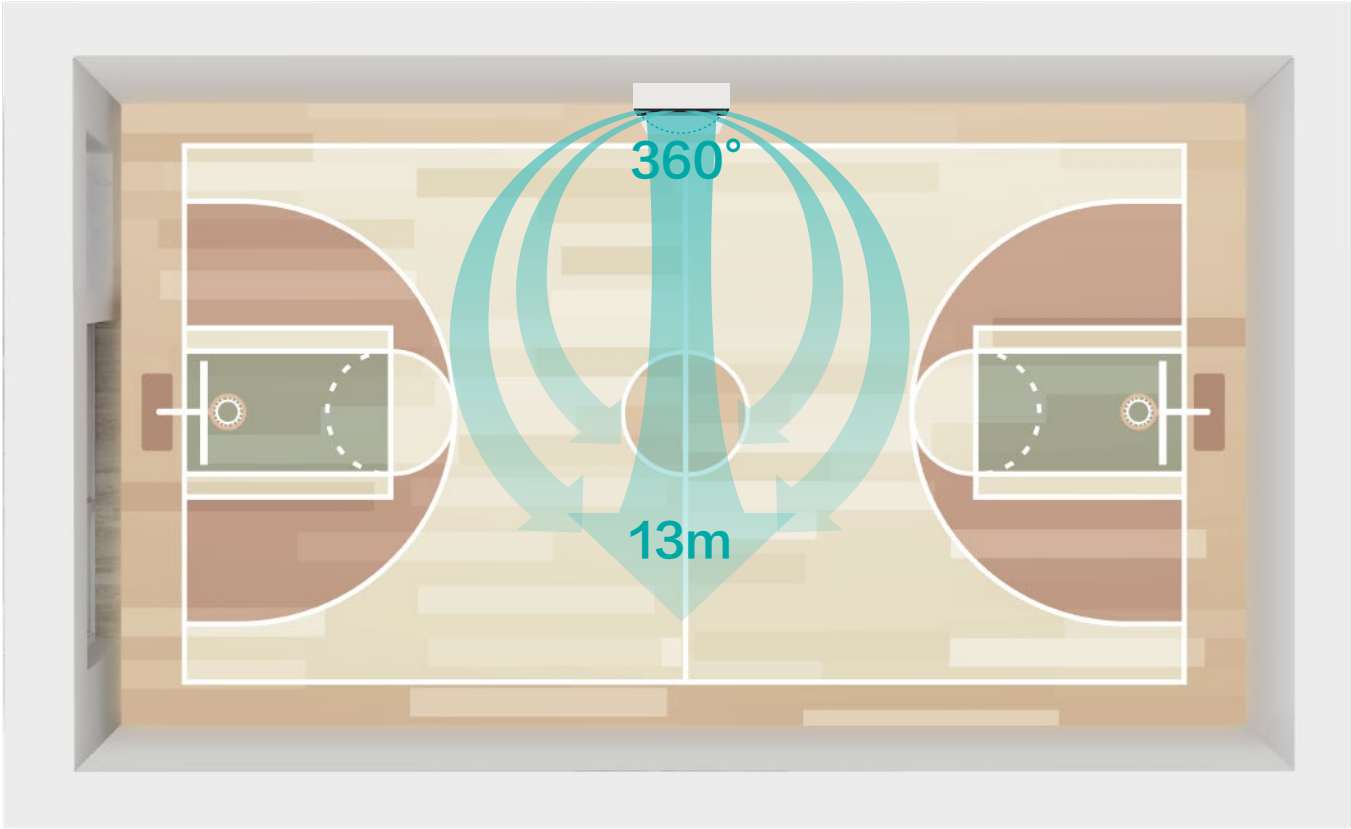
360° Air Outlet for Quickly Cool

The cabinet comes with standard air outlet components, which can achieve automatic left and right air swing, and manual 360° adjustment for up and down, widening the area of wind reception, and quickly cooling a large area.



13m Long-distance Air Discharge

Under the strong airflow mode, 13m long-distance air supply can be achieved, and with the large-capacity unit, the indoor air circulation can be quickly realized.



Model			Cabinet		Large Ceiling Ducted	
Model			AUWF-96HJFU1	AUWF-170H6FH2	AUWD-96HJFU1	AUWD-170H6FH2
IDU Model			AUF-96HJFU1	AUF-170H6FHA	AUD-96HJFUH	AUD-170H6FH
ODU Model			AUW-96HKFUE	AUWT-170HKFH2	AUW-96HKFUE	AUWT-170HKFH2
Power Supply	IDU	V-ph-Hz	380~3~50	380~3~50	380~3~50	380~3~50
	ODU	V-ph-Hz	380~3~50	380~3~50	380~3~50	380~3~50
Cooling	Capacity	kW	26.0	50	26.0	50
	Power Input	kW	12.50	18.4	13.20	18
Heating	Capacity	kW	28.0+6.0	52.5	28.0+6.0	52.5
	Power Input	kW	8.00+6.0	16.48	8.70+6.0	16.44
IDU	Sound Pressure	dB(A)	61	65	57	62
	External Static Pressure	Pa	200	220	200	220
	Air Flow	m³/h	4300	9300	5000	9960
	Net Dimensions(HxWxD)	mm	1850×1200×425	1895×1400×740	470×1250×1120	735×1950×805
	Net Weight	kg	134	240	105	227
ODU	Sound Pressure	dB(A)	63	61	63	61
	Net Dimensions(HxWxD)	mm	1650×1100×390	1730x1210x750	1650×1100×390	1730x1210x750
	Net Weight	kg	136	279	136	279
Refrigerant Type			—	R410A	R410A	R410A
Piping	Liquid/Gas	mm	Φ12.7/Φ22	Φ15.88/Φ28.6	Φ12.7/Φ22	Φ15.88/Φ28.6
	Max. Length	m	50	165	50	165
	Max. Height Difference	m	30	50	30	50
Operation Range	Cooling	℃	-5~48	-5~54	-5~48	-5~54
	Heating	℃	-15~24	-20~24	-15~24	-20~24

Notes:

1. The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions:
Indoor Air Inlet Temperature: 27℃ DB, 19℃ WB
Outdoor Air Inlet Temperature: 35℃ DB

Heating Operation Conditions:
Indoor Air Inlet Temperature: 20℃ DB.
Outdoor Air Inlet Temperature: 7℃ DB, 6℃ WB

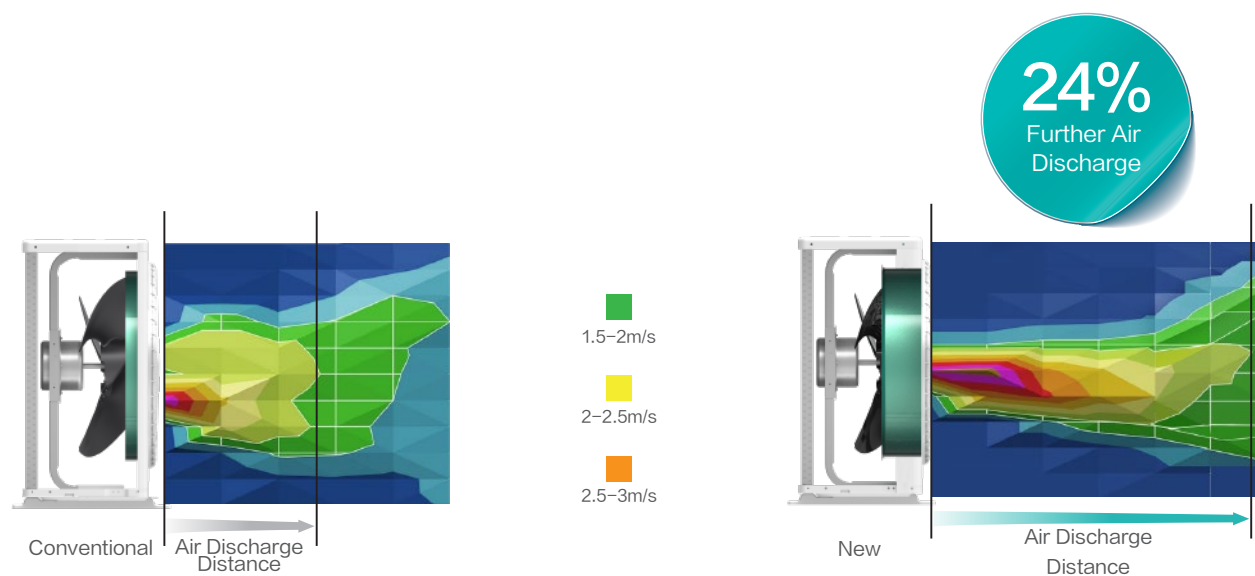
2. The sound pressure was measured in an anechoic chamber, so that the reflected sound should be taken into consideration during actual operation.

Free Match 2 to 1 System



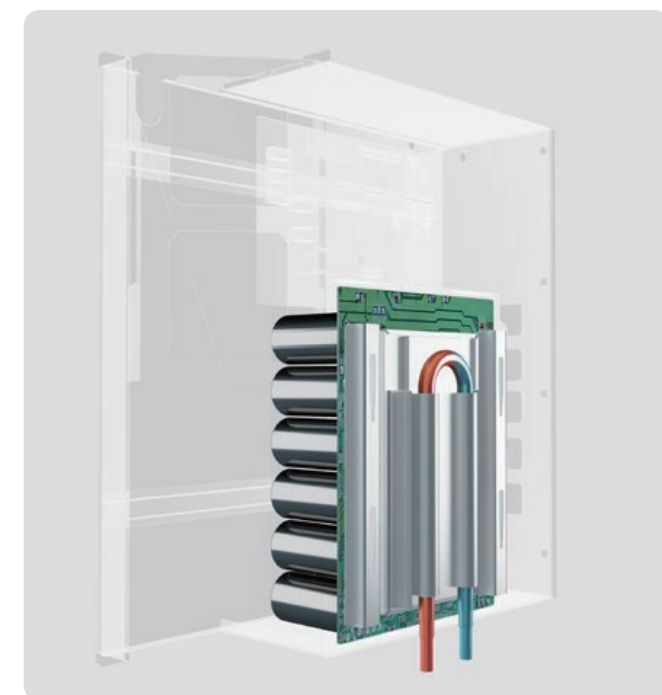
► Further Air Discharge Distance

An additional air duct like channel surrounding the fan is designed to further discharge the air and avoid discharge air from being absorbed again. Besides, together with the 30Pa external static pressure, air is tested to discharge up to 24% further compared with the conventional one.



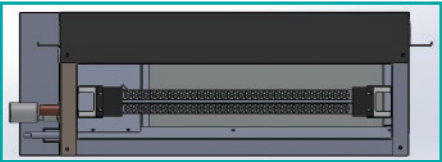
► Patented 360° Fitted Refrigerant Cooling Technology

The outdoor unit uses patented 360° fitted refrigerant cooling technology to cool the whole electronic box effectively. It can overcome poor heat dissipation and solve high ambient temperature issues inside the electronic box, maintaining an efficient and reliable operation under harsh environment.



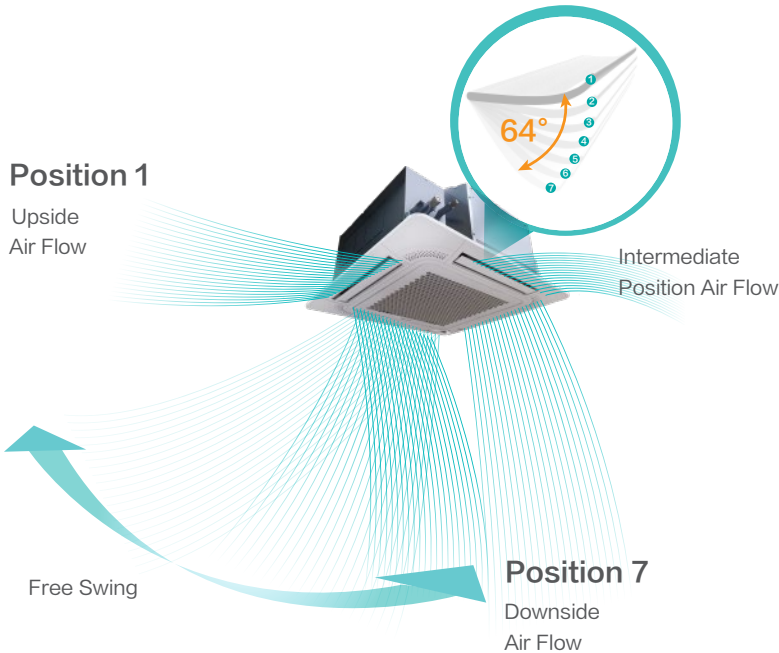
► Auxiliary PTC Heating

The indoor unit comes standard with PTC(Positive Temperature Coefficient) electric auxiliary heating to rapidly raise room temperature. Equipped with a built-in temperature switch and thermal fuse which tested through 10,000 consecutive start and stop, it also provides dual safety protection.



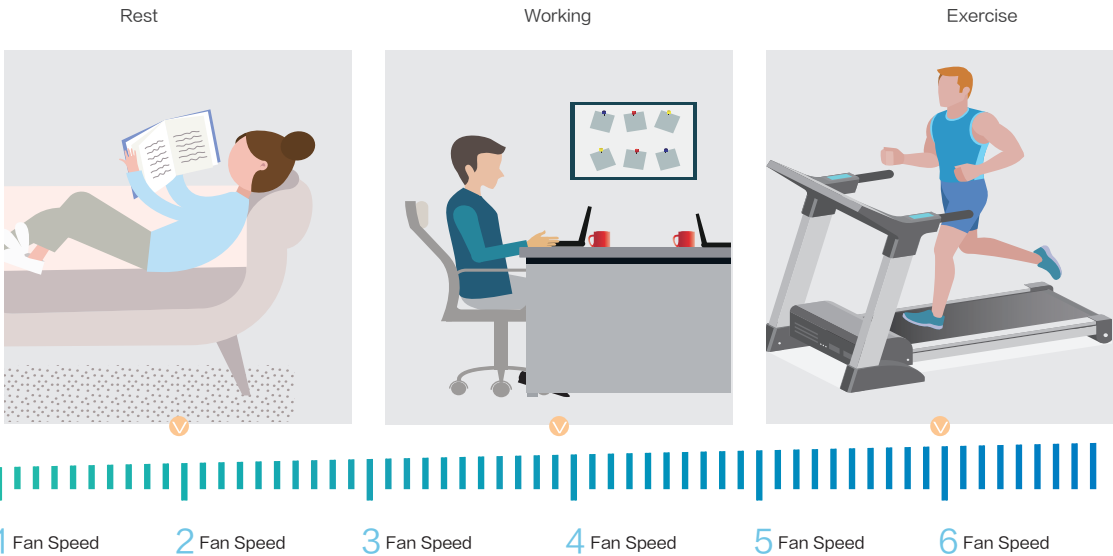
► Individual Louvers Control

4-way cassettes louvers are now capable of individual control to freely choose how you want your AC unit supplies air according to different needs, applications and installation layout. Each louvers have 7 angle settings and maximum angle reach at 64° .



► 6 Fan Speed

6 indoor fan speeds are available to meet the needs of different indoor conditions.



Model		AUW-86HKFUE	
Power Supply		380V ~ 50Hz	
Cooling Capacity	kW	24.1 (12.5~25.5)	
Heating Capacity	kW	26 (12.5~26.0)	
Power Input under Cooling	kW	7.2	
Power Input under Heating	kW	6.9	
Net Dimensions (H×W×D)		1380×950×370	
Packaging Dimensions (H×W×D)		1531×1070×515	
Sound Pressure	Cooling /Heating	dB(A) 57/58	
Operation Range	Cooling	℃ DB	-5 ~ 54
	Heating	℃ WB	23~27℃ Intermittent Operation
Airflow		m³/min	127
Net Weight		kg	124
Piping	Liquid	mm	9.53
	Gas	mm	19.05
Max. Actual Piping Length		m	75
Height Difference between ID and OD		m	30/30
Height Difference between IDs		m	10
ESP		Pa	30
APF		4.75	

Type		4-way Cassette	Ceiling Ducted
Model		AUBC-43HJFK3	AUD-43HCFH1
Power Supply		220V ~ 50Hz	
Cooling Capacity	kW	12.5	12.5
Heating Capacity	kW	14	14
Power Input	KW	0.13	0.29
Sound Pressure	dB(A)	49.5/47.5/45.5/42.5/40.5/37.5	43/39/35
Net Dimensions (H×W×D)	mm	288×840×840	300×(1400+75)×800
Packaging Dimensions (H×W×D)	mm	342×945×945	410×1650×955
Net Weight	kg	26	53
Refrigerant		R410A	
Airflow Rate	m³/min	37/33.5/29.6/27.2/24.2/22.4	35.5/29/24
Piping Connection Type		Fare-nuts Connection	
Liquid/Gas	mm	Φ9.53/Φ15.88	Φ9.53/Φ15.88
Drain Pipe		VP25 (O.D.32)	
Panel Model		HP-GNK1	/
Panel Color		Netural White	/
Panel Dimensions	mm	950×950×47	/
Panel Net Weight	kg	5.7	/
ESP	Pa	/	60

Notes:
1. The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions Indoor Air Inlet Temperature: 27℃ DB, 19℃ WB
Outdoor Air Inlet Temperature: 35℃ DB
Heating Operation Conditions Indoor Air Inlet Temperature: 20℃ DB,
Outdoor Air Inlet Temperature: 7℃ DB, 6℃ WB

2. The sound pressure was measured in an anechoic chamber so that the reflected sound should be taken into consideration during actual operation.