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Note: Product design and specification subject to change without prior notice.

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Hisense

HISENSE EU LCAC

CATALOG 2023



Hisense

GLOBAL LCAC

Hisense LCAC is committed to providing customers with more reliable and more efficient products, and adheres to uniform high-quality standards for products to different countries and regions around the world.



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LIGHT COMMERCIAL AIR CONDITIONERS

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HISENSE CLUB

Better Training and Service

Hisense HVAC Italian Training Center, located in Milan, Italy, Europe, is an AAAAA Hisense training center all over the world, where showing and training products include RAC, FM, LCAC, VRF, ATW, DHW, etc. The training center conducts online and face-to-face training for customers all over Europe. The exhibition area of the training center will display Hisense's latest HVAC products and technologies.



Tools

Hi-Checker 1.0

Kit Checker naming Service Window is small and easy to carry. It can help us diagnose and resolve common problems at low cost and quickly.



Hi-Checker 2.0

PC Checker can check the air conditioners professionally and comprehensively, and all parameters of the machine can be monitored in real time. Relevant data can be recorded, stored and reproduced.



Hi-Checker 3.0

APP Checker Combines the advantages of Kit Checker and PC Checker. We can check and troubleshoot the operation of the machine through the APP installed on the mobile phone. This solution is easy for users to carry, record and communicate with each other.



REFERENCE PROJECT LIST

Hisense LCAC products are sold in Italy, Spain, Portugal, Germany, France, Netherlands, Belgium, Austria, Serbia, Poland, Czech Republic, Bulgaria, Greece, Ukraine, Romania and many other countries. We have won more and more customers with LCAC reliable operation .



Firenze, Italy.

Light Commercial duct and cassette in the restaurant and living areas, RAC in the dressing rooms.



Rimini, Italy.

RAC installation mixed with Light Commercial duct and cassette.



Córdoba, Spain.

130 flats developed by Kronos Homes and called "Tribeka".



Málaga, Spain.

80 flats developed by Voltiam.



Belgrade, Serbia.

The Plot 21a of the Belgrade Waterfront.



Kolasin, Montenegro.

Hotel Bianca Resort & Spa.



Warsaw, Poland.

Delicatessen downtown.



Bucharest, Romania.

In cooperation with mit clima.



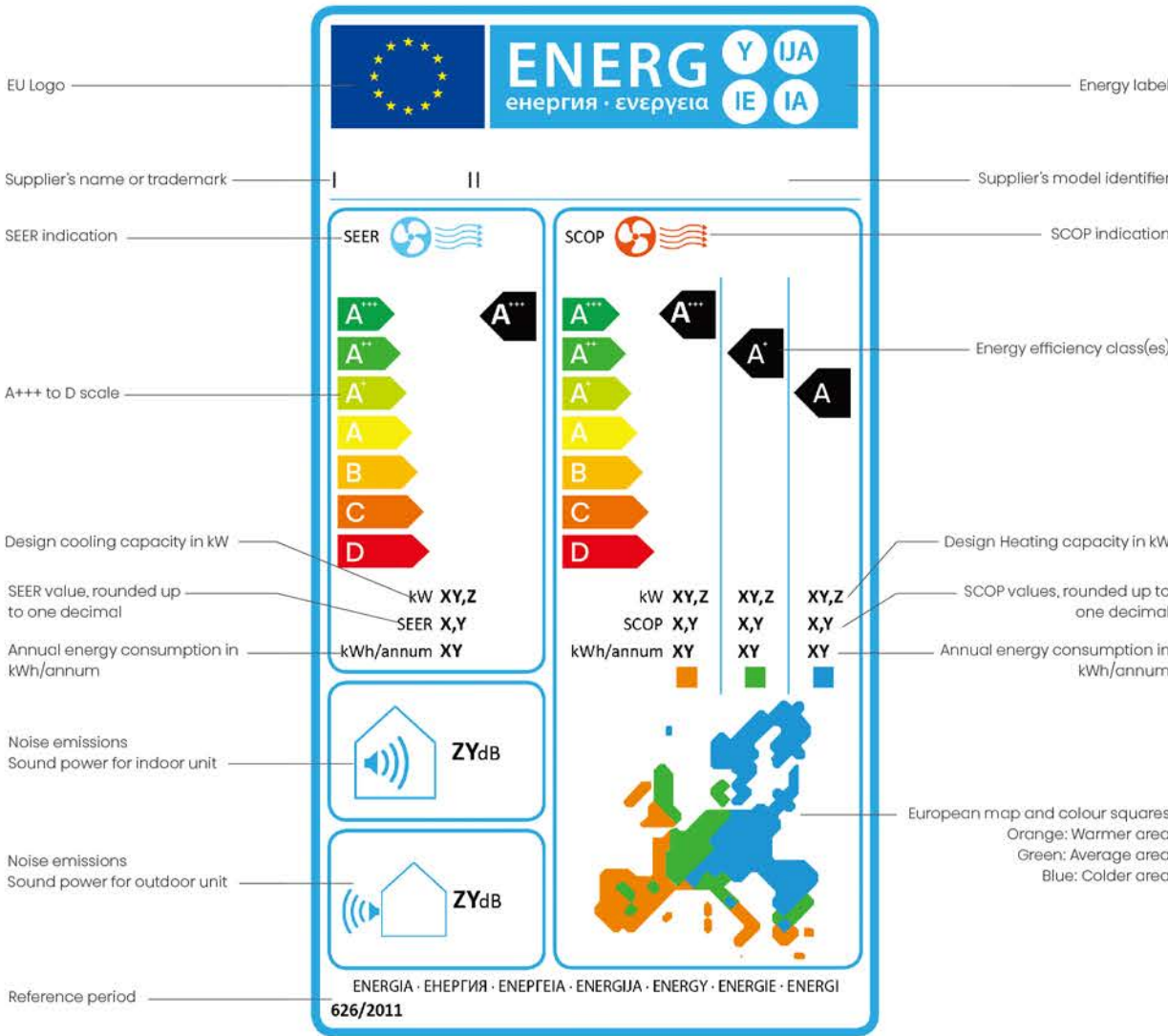
Solingen, Germany.

Machine hall with historic steam engine.

ENERGY LABEL

To enable consumers to compare and make purchasing decisions based on uniform labelling criteria, Europe has introduced energy labels. The previous European energy label for air conditioners, introduced in 1992, did its job for the time. In 2013, Europe introduced a seasonal energy label. This label allows end users to make even more informed choices, since seasonal efficiency reflects air conditioner efficiency over an entire season.

The energy label includes multiple classifications from A+++ to D, reflected in colour shadings ranging from dark green (most energy efficient) to red (least efficient). Information on the label not only includes the seasonal efficiency ratings for heating (SCOP) and cooling (SEER), but also annual energy consumption and noise levels.



CONDITIONS & CONVERSION

Cooling

EER test:
Indoor temperature 27°CDB, 19°CWB
Outdoor temperature 35°CDB.

SEER Test:

Condition	Part Load Ratio	Outdoor Air Dry Bulb Temperature °C	Indoor Air Dry Bulb (Wet Bulb) Temperature °C
A	100%	35	27 (19)
B	74	30	27 (19)
C	47	25	27 (19)
D	21	20	27 (19)

Heating

COP test:
Indoor temperature 20°CDB Outdoor temperature 7°CDB, 6°CWB.

SCOP Test:

Condition	Part Load Ratio In %			Outdoor Heat Exchanger Inlet dry (wet) bulb temperature °C	Indoor Heat Exchanger Indoor air dry bulb temperature °C
	A	W	C		
A	88	NA	61	-7(-8)	20
B	54	100	37	2(1)	20
C	35	64	24	7(6)	20
D	15	29	11	12(11)	20
E	(TOL - 16) / (Tdesignh - 16)			TOL	20
F	(Tbiv - 16) / (Tdesignh - 16)			Tbiv	20
G	NA	NA	82	-15	20

Sound Level

The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment (for measuring conditions: please refer to the technical databooks). The sound power level is an absolute value indicating the "power" which a sound source generates. For more detailed information please consult our technical databooks.



Conversion Data

- kW x 3412 = btu/h
- °C x 1.8 + 32 = °F
- bar x 14.51 = psi
- m2 x 10.76 = ft2
- l/s x 3.6 = m3/h

Pipe Size

- 1/4in = 6.35mm
- 3/8in = 9.52mm
- 1/2in = 12.70mm
- 5/8in = 15.88mm
- 3/4in = 19.05mm
- 7/8in = 22.22mm
- 1 1/8in = 28.58mm
- 1 3/8in = 34.93mm



6 REASONS FOR HISENSE LCAC

1 Full Outdoor Line Up

System	Type	Model	Product Name	9K	12K	14K	18K	21K	24K	36K	42K	48K	60K	75K	85K
				26	35	40	52	60	71	105	125	140	160	200	250
Air To Air		Turbo Inverter R32 *High Efficiency SEER up to 7.5, SCOP up to 4.6 *Deep Cool *Pair, twin, triple, quadruple *Max piping 100m in T1 climate *Service Window *Average and Warmer SCOP available	AUW##8												
		Super Inverter R32 *Very compact outdoor units for easy installation *Balance of efficiency and cost *Max piping 50m *Service Window *Average and Warmer SCOP available	AUW##7												

2 Full Indoor Line Up

Hisense can offer many kinds of indoor unit, including 600*600 Compact Cassette, 900*900 Round Flow Cassette, Console Standing, Ceiling Suspended, H190mm Slim Duct, 150Pa MSP Duct, 200Pa HSP Duct, 250Pa HSP Duct, Floor Standing.



600*600
Compact Cassette



H190mm Slim Duct



900*900
Round Flow Cassette



150Pa MSP Duct



Console Standing



200Pa HSP Duct



Ceiling Suspended



250Pa HSP Duct



Floor Standing

* Hisense 1-way Cassette is on pre-developing.

3 Higher Efficiency

- SEER up to 7.50, A++ level for cooling
- Average SCOP up to 4.60, A++ level for heating
- Warmer SCOP up to 5.35, A+++ level for heating
- EER up to 4.41 W/W in full load
- COP up to 4.50W/W in full load

Indoor	Outdoor	SEER	SCOP-a	SCOP-w
ACT-14UR4RCC8	AUW-14U4RJ8	A++	A+	A+++
ACT-18UR4RCC8	AUW-18U4RJ8	A++	A+	A+++
AUC-14UR4RJC8	AUW-14U4RJ8	A++	A++	A+++
AUC-18UR4RJC8	AUW-18U4RJ8	A++	A++	A+++
ACT-21UR4RJC8	AUW-21U4RK8	A++	A++	A+++
ACT-24UR4RJC8	AUW-24U4RK8	A++	A++	A+++
AUC-36UR4RKC8	AUW-36U6RN8	A++	A+	A+++
AUC-42UR4RKC8	AUW-42U6RN8	245%	173%	209%
AUC-48UR4RKC8	AUW-48U6RN8	240%	173%	209%
ADT-14UX4RCL8	AUW-14U4RJ8	A++	A++	A+++
ADT-18UX4RCL8	AUW-18U4RJ8	A++	A++	A+++
AUD-75UX4RPH8	AUW-75U6RZ8	237%	153%	193%
AUD-85UX4RPH8	AUW-85U6RZ8	230%	153%	193%
AUV-42UR4RC8	AUW-42U6RN8	237%	169%	209%
AUV-48UR4RC8	AUW-48U6RN8	225%	169%	209%

4 Top Stability

- Ensure voltage fluctuation stability down to 176V.
- Ensure reliability in ultra-low temperature and long piping by testing compressor oil viscosity.
- Ensure PCB heat transfer reliability by the PCB refrigerant cooling design. Outdoor temperature can reach up to 52℃.
- Ensure drainage reliability by standard float switch for Slim Duct, MSP Duct, HSP Duct, Compact Cassette and Cassette.
- Ensure drainage smooth by standard built-in pump for Slim Duct, MSP Duct, HSP Duct, Compact Cassette and Cassette.
- Ensure the system not exceed the design pressure by high pressure protector and low pressure protector.
- Ensure no dripping in high humidity conditions by anti-condensation smart control.
- Ensure no overflow from the drain pan by the big drain pan design, when the water from the drain pipe is returned in suddenly power off.
- Ensure the stability in extra-low heating by compressor E-heater and bottom e-heater.

5 Faster and Flexible Installation

- Easy Cardboard for Compact Cassette, Cassette, Ceiling Suspended, and Console units, can help install the indoor unit fast.
- The double 3-way stop valves, not matter built inside or outside, can help to vacuum fast.
- Compact design of the indoor units and outdoor units can help to carry and install easily. The compact cassette is only 15.5kg and 215mm height to be NO. 1 in class.
- The suction grille can be adjusted in any direction. And the appearance looks just the same.
- Rear suction and bottom suction of duct unit can be adjusted in the project site.

6 Smart and More Comfort

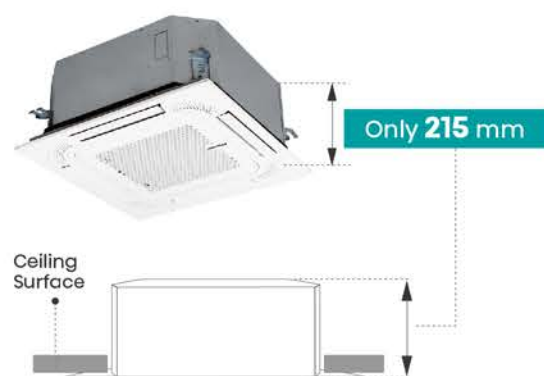
- 888 hidden display gives the precision of control is 0.5℃ and the precision of display is 0.1℃.
- Individual airflow can be controlled by the wired controller or the remote controller.
- The display panel will flash in the direction of individual control airflow.
- Connect Life WiFi Control.
- It has On/Off models 1 to 7 to meet different kinds of input control demand.
- Smart eye can detect the people in each of the 4 areas. When there are no people in a room, the system automatically change to energy saving mode.
- Round Flow can get better air supply and outlet temperatures



COMPACT CASSETTE

Compact Design

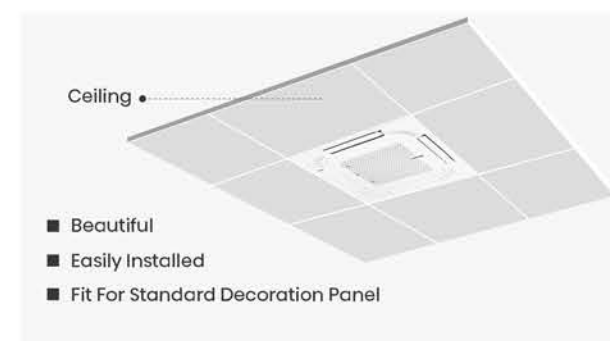
The compact design with body thickness of only 215mm reduces the ceiling height. The compact design makes the most slim design in class.



MODEL	W*H*D (mm)
9K	570*215*570
12K	570*215*570
14K	570*215*570
18K	570*215*570

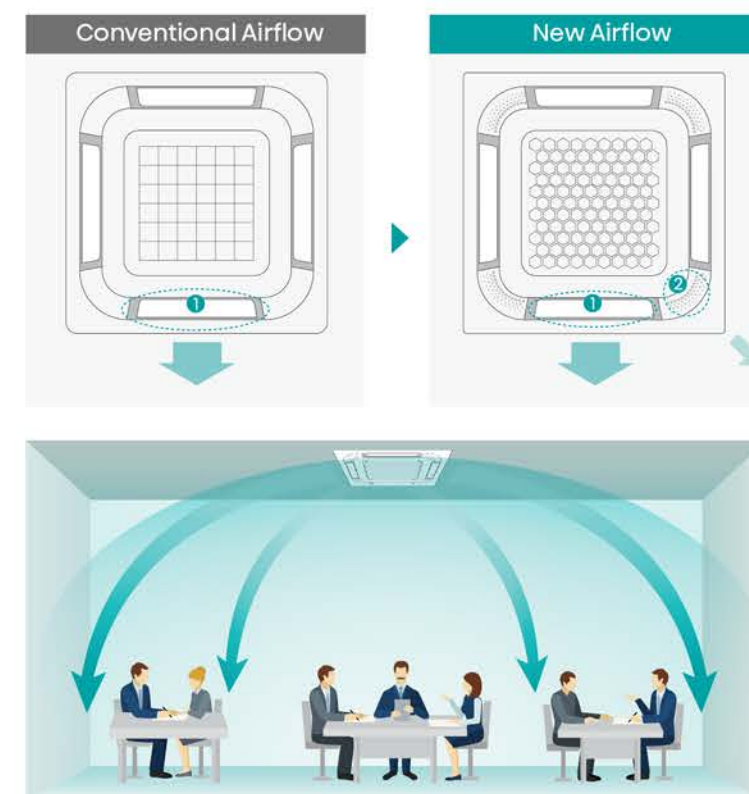
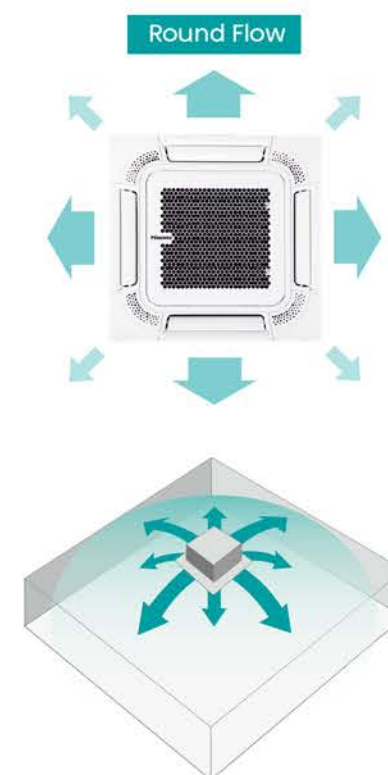
620×620 Panel

The 620*620mm panel is very fit for the standard decoration panel, without covering other things. So it can be beautiful and easily installed.



Round Flow

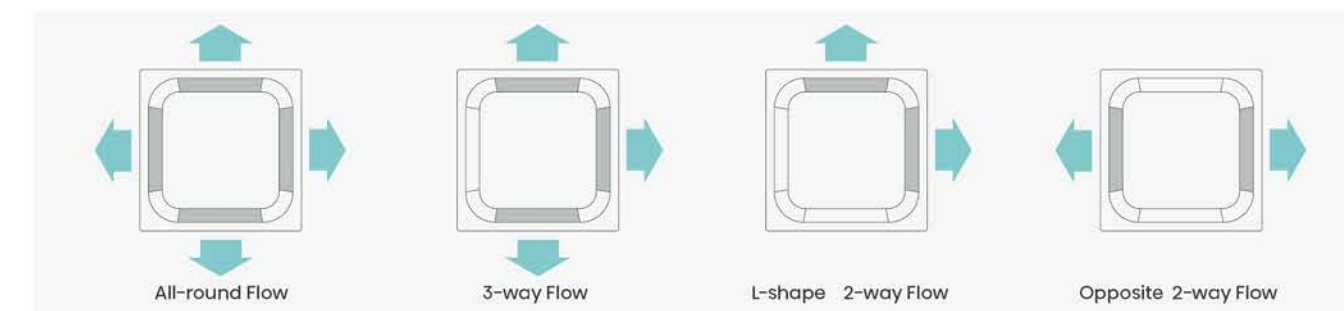
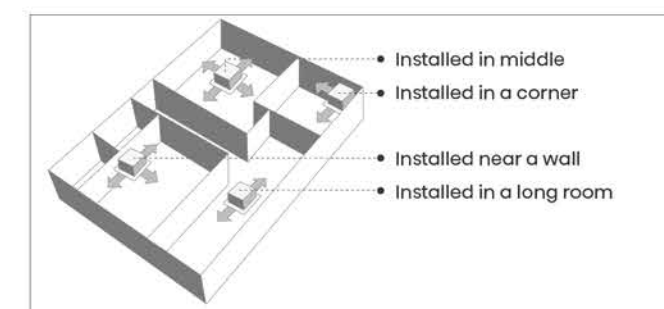
Round flow air supply optimizes room airflow, ensuring that the comfortable airflow goes to every corner and that the temperature perfectly balance the integral space.



Individual Airflow Control

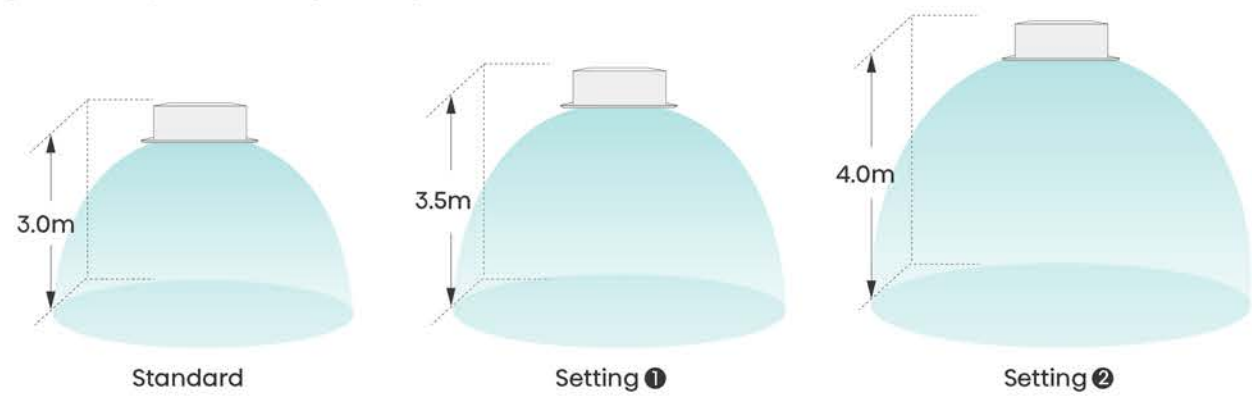
Independent airflow control perfectly caters to the space structure and feelings of different people.

* We can achieve individual airflow control by wired controller YXE-E01U(E) or remote controller RCH-RVD01.



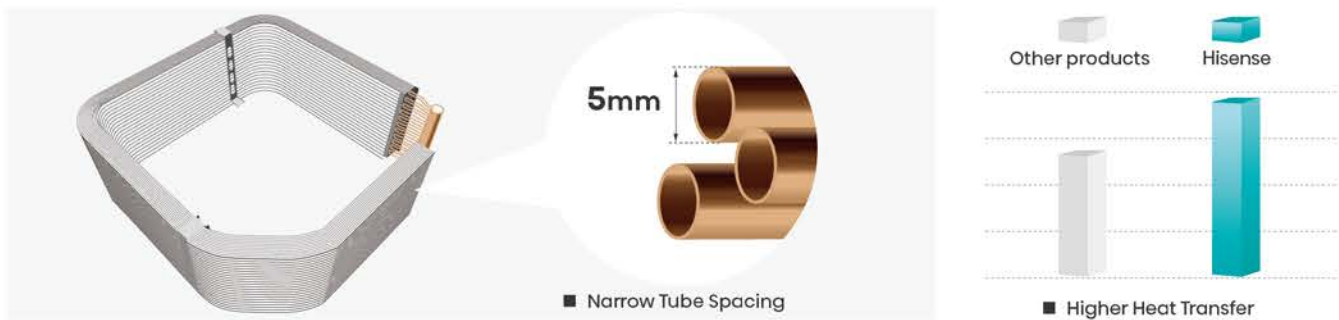
High Ceiling

When the ceiling is high, the unit parameters can be set by the wired controller to compensate the installation height. Even in spaces with high ceilings, a comfortable airflow is carried down to the floor level.



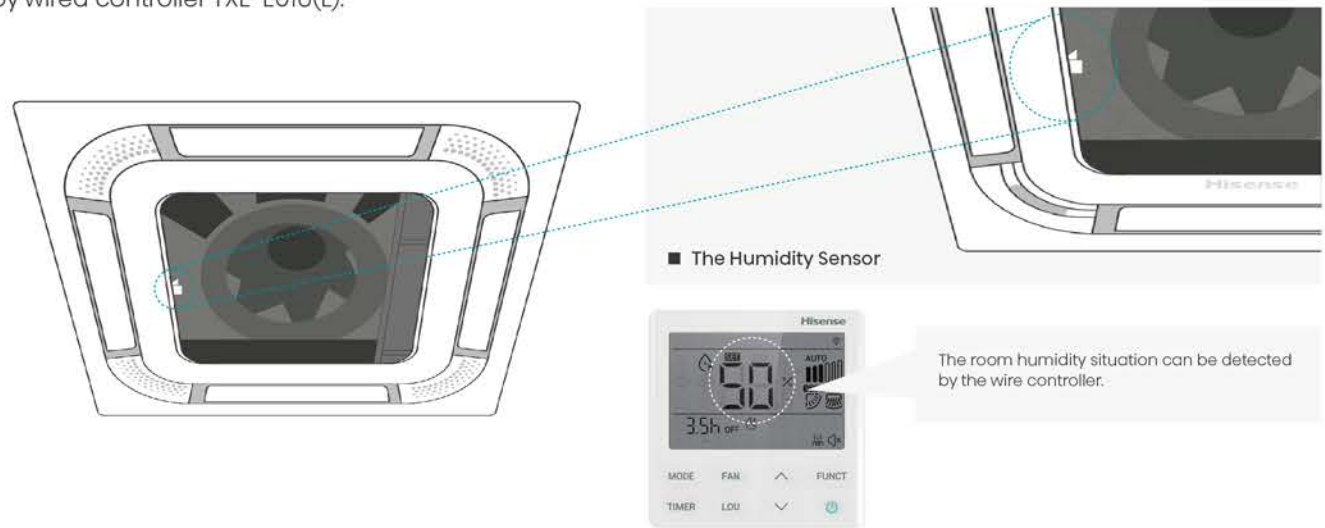
High Efficiency Coil

The compact cassette adopts the advanced 5mm narrow tube spacing heat exchanger, so that a more powerful and efficient heat exchanger can be arranged in such a limited space.



Humidity Control

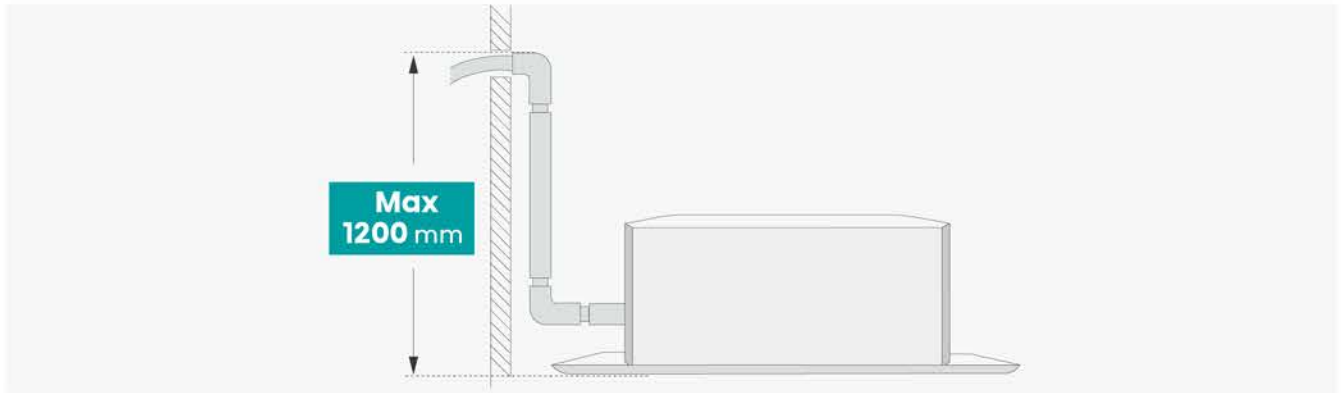
The humidity sensor is standard for compact Cassette. In dry mode, the room relative humidity can be displayed by wired controller YXE-E01U(E).



Inner High Lift Pump

The maximum lift of Hisense high lift pump components can be as high as 1200mm.

* In order to ensure smooth drainage in long-term operation, the recommended drainage height is <800mm.



Fresh Air Intake

The fresh air intake can introduce the outdoor fresh air into the room to improve the indoor air quality.

* The fresh air volume cannot exceed 20% of total design air volume.



Ag⁺ Healthy Filter

The Ag⁺ healthy filter is equipped as standard, which can effectively inhibit the breeding of bacteria and viruses, thereby ensuring a healthy room air supply.

