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Specifications in this catalogue are subject to change without notice, in order that Hisense may bring the latest innovations to their customers.

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Hisense

Hi-Smart series

Home Central Air Conditioning



Choice, is a way of life, also an attitude of life. Base on Hisense leading technical platform, Hisense Home Central Air Conditioning strives to provide comfort and reliable central air conditioning system for people, creates modern, healthy and low carbon living space and life philosophy. Choose Hisense Hi-Smart, Choose Hisense Hi-Life.

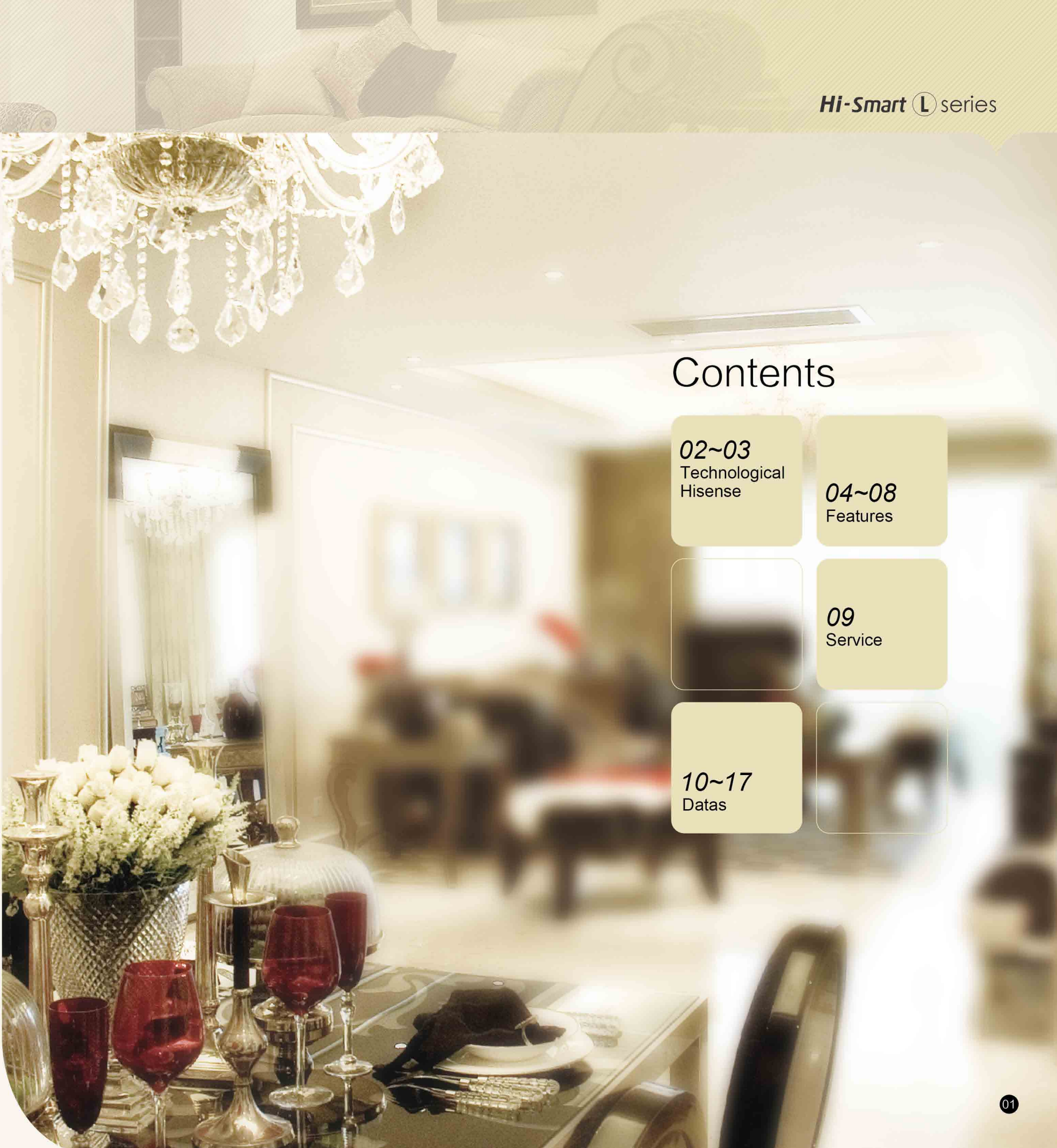
Hisense **Hi** · Life

Hi | Welcome to Hisense Hi-Smart
Home Central Air Conditioning Elegant
Home System

Hisense Hi-Smart L Series is designed and developed for high-end residential and commercial space.
From the appearances and functions of indoor and outdoor units to the world's leading inverter-driven multi-split core technologies and the application of the most advanced core components, Hi-Smart L embodies the understanding and pursuit of the high-end quality life by Hisense inverter-driven central air conditioning.
Perfect visual perception and excellent comfort degree make Hi-Smart L series as the sign of high-end residence and the founder of luxury life.

Contents

02~03 Technological Hisense	04~08 Features
	09 Service
10~17 Datas	



Technological Hisense

Hisense is a large electronic information industry corporation of China founded in 1969 and owns Hisense Appliance and Hisense Kelon Appliance these two listed companies. Furthermore, Hisense is the only enterprise group in China which has three well-known trademarks as Hisense, Kelon and Ronshen at the same time.

Hisense adheres to the development strategy as "Technology Support, Steady Operation" and sustains healthy development by taking optimized industrial structure as the base, technological innovation as the drive force, and capital operation as a leverage. In the 21st century, with powerful R&D strength and excellent internationalized management team, Hisense has speeded up the pace of industrial expansion and formed an industrial structure including digital multimedia, home appliances, communications, intelligent information systems, modern real estate and service.



Multimedia Products



Home Appliances



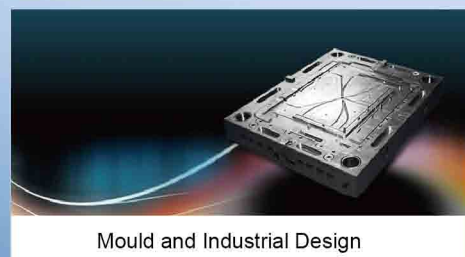
Information Communication Products



Commercial Equipment



Real Estate and Property Management



Mould and Industrial Design

Hisense



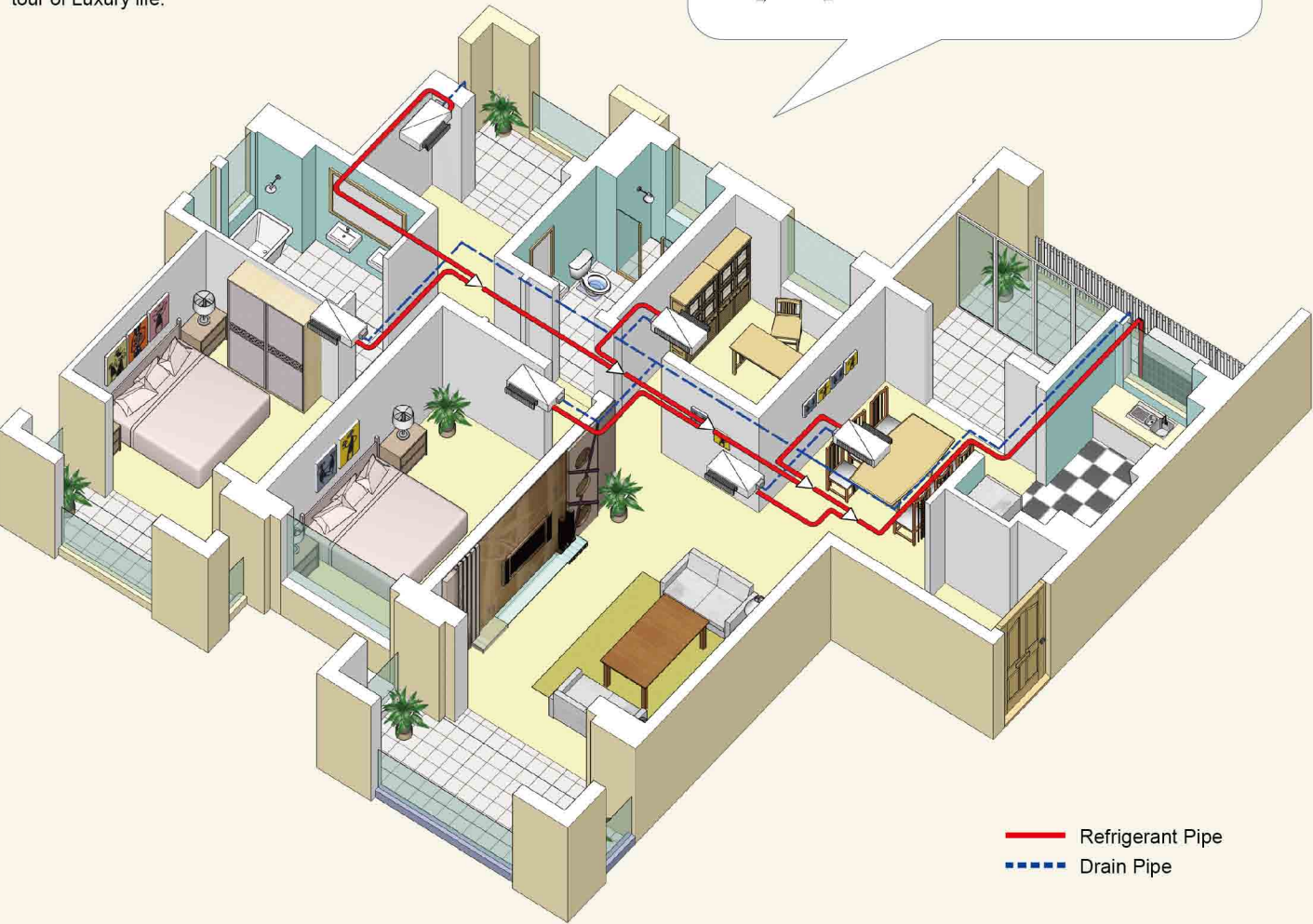
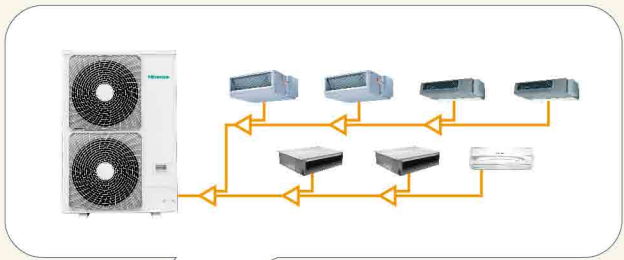
Perfect Experience Creates Luxury High-Quality Life

A wide selection of models, humanized installation design, comfortable temperature control and air supply, low noise performance and perfect visual perception create a luxury modern quality home life.



01 | Free Combination

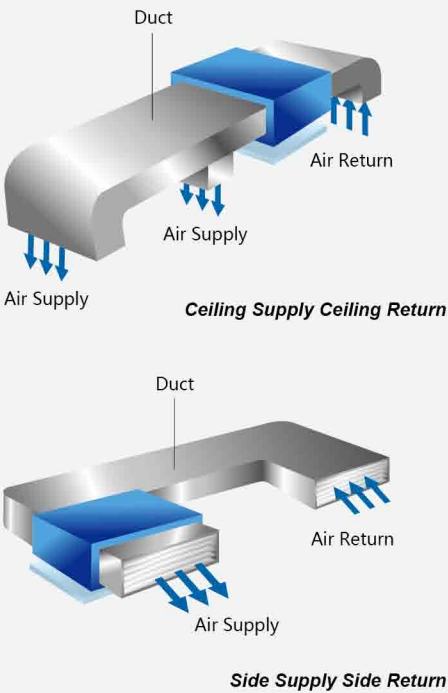
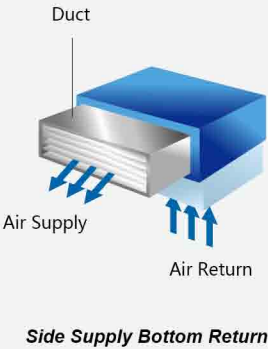
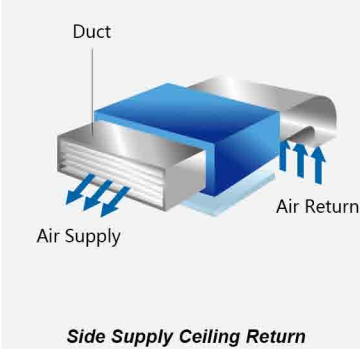
One outdoor unit of Hi-Smart L series can connect maximum 7 indoor units in different types. The free combination not only meets the air condition needs of large space, but also helps match the indoor decoration. Flexible choice and better system configuration start a tour of Luxury life.



— Refrigerant Pipe
- - - Drain Pipe

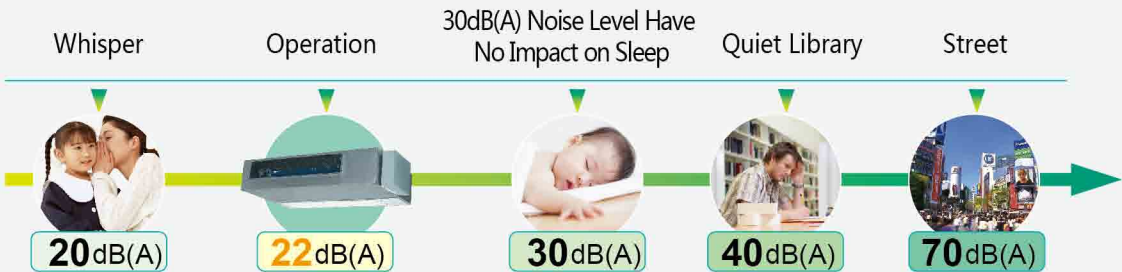
02 | Comfortable Ways of Ventilation

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



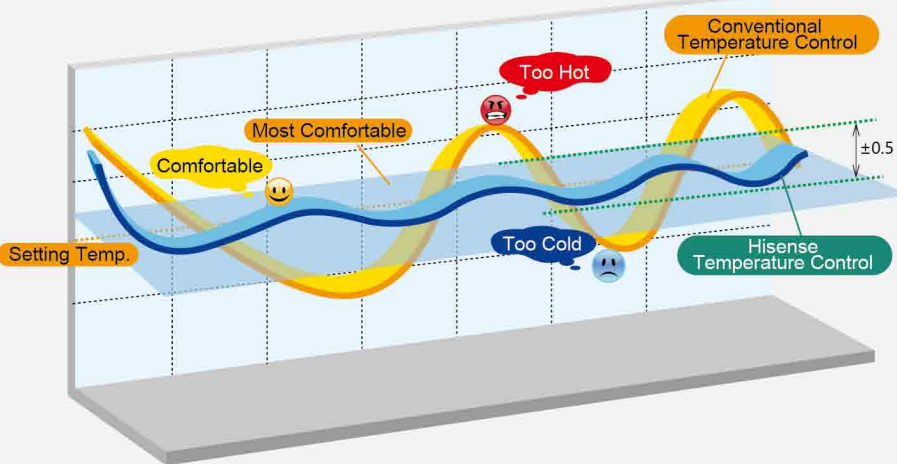
03 | Low Noise and Low Frequency Operation

Hi-Smart L Series adopts cutting-edge low-frequency intelligent control technology to realize continuous quiet operation. Through technological innovation, Indoor and outdoor unit fan motors can be adjusted to low-speed and quiet operation automatically according to requirement, which achieves the dual low noise for indoor units and outdoor units.



04 | 3D Temperature Control Technology

Hi-Smart L 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 the indoor comfort requirement.



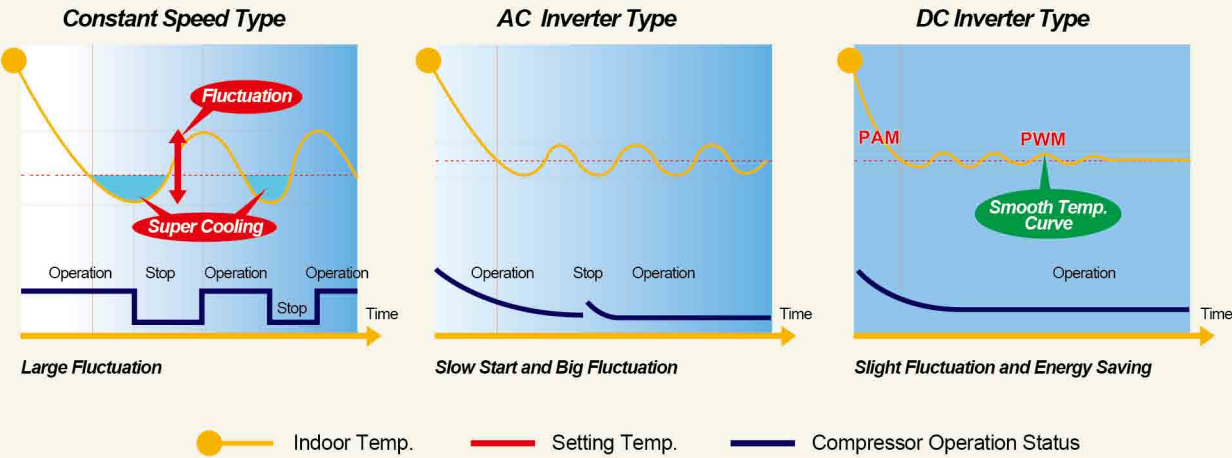
Cutting-Edge Technologies Mark Luxury life Quality

The world leading efficient inverter-driven compressor, advanced DC inverter-driven technology, intelligent defrosting technology, energy conservation and environment protection technology make Hi-Smart L series as the mark of high-end residence.



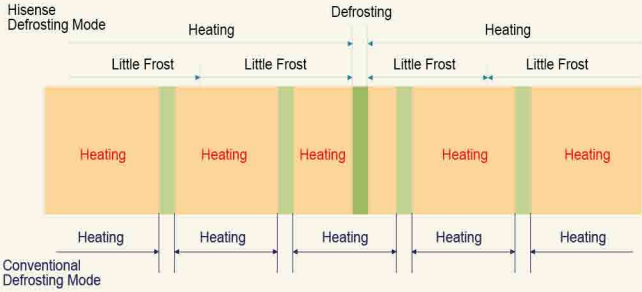
01 | DC Inverter-Driven Technology

Hi-Smart L 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.



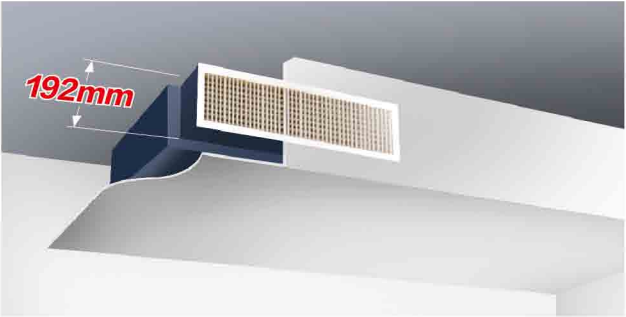
02 | Intelligent Defrosting Technology

Hi-Smart L 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.



05 | Slim and Refined Body Design

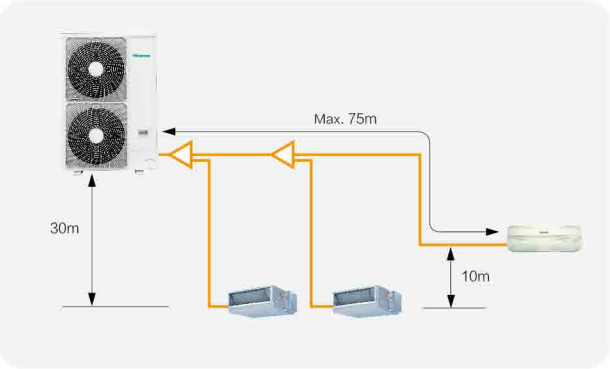
The compact outdoor unit can be flexibly placed according to outdoor condition. Low-height in-the-ceiling type can be easily installed inside the low-height residential ceiling with a height of 192mm, which makes low height indoor units and elegant home decoration style set off mutually.



06 | Long Piping Design

Long refrigerant piping design makes project design and installation works more convenient.

Max. height difference between the highest and the lowest indoor units is 10m.
Max. height difference between outdoor and indoor units is 30m.
Max. piping length is 75m.
Total piping length can be 120m.



03 | Energy Conservation and Environmental Protection Technology

Hi-Smart L series adopts high efficient DC inverter compressor. With the unique energy saving technology, outstanding aseismatic technology and the individual control of indoor units, capacity output can realize intelligent adjustment and the COP of system can be higher under part load, which contributes to leading comprehensive energy efficiency coefficient and higher system stability.

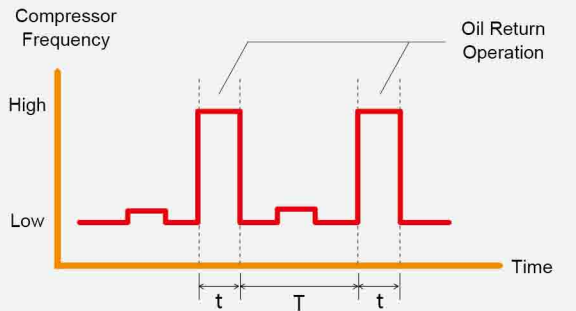
European Environmentally Friendly Quality Standard

Hisense Hi-Smart L Series adopts world-wide affirmed new environmentally friendly refrigerant R410A that doesn't destroy the O-Zone Layer and responds to Europe RoHS directive.



04 | Efficient Oil Control Technology

Hisense Hi-Smart L series conducts the first-stage oil separation in efficient DC inverter-driven compressor and separates refrigerant and oil gas in oil separator as the second-stage, which increases the separation efficiency by 10% ~ 15% compared with ordinary solution and reduces power consumption.



Oil return operation ensures system stability in long-time low-frequency operation

05 | Intelligent Controllers

The system is equipped with compact wireless remote control switch, and the remote control switch is also optional, which achieves an intelligent control system.



Remote Control Switch

- Cooling/Heating/Dry/Fan/Auto
- High/Medium/Low/Swing Louver
- Set Temperature/ Timer
- Filter Clean
- Check
- Alarm Code Display
- Ventilation Increase



Wireless Remote Control Switch

- Cooling/Heating/Dry/Fan/Auto
- High/Medium/Low
- Swing Louver
- Set Temperature
- Timer
- Filter Clean

Efficient Service Ensures Luxury Life

The Hisense Hi-Smart L series provides one-stop solution service of central air conditioning system for high-end residential projects.



01 | High Quality Project 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 system.

03 | High Quality After-sales Services

Adhering to the aim of the company --"Serve Customers Wholeheartedly", Hisense remains efficient service awareness, good professional quality and high-degree social responsibility. Service personnel will arrived 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 in trouble.



Outdoor Units Data

Model Power Supply		AC1Φ 220V/50Hz	AVW-38UCSC	AVW-48UCSC	AVW-54UCSC
		AC1Φ 240V/50Hz	AVW-38UDSC	AVW-48UDSC	AVW-54UDSC
		AC1Φ 220V/60Hz	AVW-38U2SC	AVW-48U2SC	AVW-54U2SC
Nominal Cooling Capacity		kW	11.2	14.0	15.5
		Btu/h	38,200	47,800	52,900
Nominal Heating Capacity		kW	12.5	16.0	18.0
		Btu/h	42,700	54,600	61,400
Outer Dimensions	H	mm	1,380	1,380	1,380
	W	mm	950	950	950
	D	mm	370	370	370
Net Weight		kg	93	95	97
Sound Pressure Level (Cooling/Heating)		dB(A)	52/54	52/54	53/55
Refrigerant			R410A		
Operation Range		Cooling	-5~46°C DB		
		Heating	-20~15.5°C WB		
Refrigerant Flow Control			Micro-Computer Control Expansion Valve		
Refrigerant Piping			Flare-Nut Connection		
Liquid Line		mm	Φ9.53		
Gas Line		mm	Φ15.88		
Piping Connection			Multi-Kit Connection		

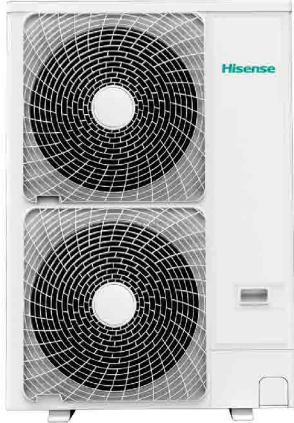
NOTES:

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

Cooling Operation Conditions	Heating Operation Conditions
Indoor Air Inlet Temperature:27°C DB(80°F DB) 19.0°C WB (66.2°F WB)	Indoor Air Inlet Temperature: 20°C DB(68°F DB) Outdoor Air Inlet Temperature: 7°C DB(45°F DB) 6°C WB(43°F WB)
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)	
Piping Length: 7.5 Meters Piping Lift: 0 Meter	

2. The sound pressure level is based on following conditions.1.5m beneath the unit.

The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.



In-the-ceiling Type
(Low Static Pressure)



- With a height of 270mm, it can be easily installed inside small-space residential ceiling.
- Choose proper way of air return according to actual installation condition.
(Noise level may increase in case of bottom air return)
- Air flow rate can be adjusted by 3 grades, lower noise in lower grade.
- Standard drain pump realize 900mm lift and meet various requirement.

Indoor Unit		In-the-ceiling Type(Low Static Pressure)												
Model Power Supply	AC1Φ 220V/50Hz	AVD-07 UXCSAL	AVD-09 UXCSAL	AVD-12 UXCSAL	AVD-14 UXCSAL	AVD-17 UXCSBL	AVD-18 UXCSBL	AVD-22 UXCSBL	AVD-24 UXCSBL	AVD-27 UXCSCL	AVD-30 UXCSCL	AVD-38 UXCSCL	AVD-48 UXCSDL	AVD-54 UXCSDL
	AC1Φ 240V/50Hz	AVD-07 UXDSAL	AVD-09 UXDSAL	AVD-12 UXDSAL	AVD-14 UXDSAL	AVD-17 UXDSBL	AVD-18 UXDSBL	AVD-22 UXDSBL	AVD-24 UXDSBL	AVD-27 UXDSCL	AVD-30 UXDSCL	AVD-38 UXDSCL	AVD-48 UXDSDL	AVD-54 UXDSDL
	AC1Φ 220V/60Hz	AVD-07 UX2SAL	AVD-09 UX2SAL	AVD-12 UX2SAL	AVD-14 UX2SAL	AVD-17 UX2SBL	AVD-18 UX2SBL	AVD-22 UX2SBL	AVD-24 UX2SBL	AVD-27 UX2SCL	AVD-30 UX2SCL	AVD-38 UX2SCL	AVD-48 UX2SDL	AVD-54 UX2SDL
Nominal Cooling Capacity	kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2	16.0
	kcal/h	1,900	2,400	3,100	3,700	4,300	4,800	5,400	6,100	7,200	7,700	9,600	12,200	13,800
	Btu/h	7,500	9,600	12,300	14,700	17,100	19,100	21,500	24,200	28,700	30,700	38,200	48,500	54,600
Nominal Heating Capacity	kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3	18.0
	kcal/h	2,400	2,800	3,600	4,200	4,800	5,600	6,500	7,300	8,300	8,600	11,200	14,000	15,500
Sound Pressure Level (High/Medium/Low)	Btu/h	9,600	11,300	14,300	16,700	19,100	22,200	25,600	29,000	32,800	34,100	44,400	55,600	61,400
	dB(A)	31-27-26	31-27-26	32-30-28	32-30-28	33-31-29	33-31-29	34-32-30	34-32-30	40.5-38-35	40.5-38-35	41-39-37	42-39-37	45-41-39
Outer Dimensions (H x W x D)		mm 270× (650+75) ×720				270× (900+75) ×720				350× (900+75) ×800			350× (1300+75) ×800	
Net Weight		kg	25	25	25	25	34	34	34	34	44	44	44	56
Refrigerant		R410A(Nitrogen-charged for Corrosion-resistance)												
Indoor Fan Air Flow Rate (High/Medium/Low)		m³/min	8/7/6	8/7/6	13/11/9	13/11/9	15/13/11	15/13/11	16/14/12	16/14/12	25/21/17	25/21/17	27/23/19	37/31/25
Motor Power		W	100	100	140	140	140	140	140	180	290	290	290	410
Connections Refrigerant Piping		Flare-nut Connection(with Flare Nuts)												
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		VP25(Outer Diameter Φ32)												
External Static Pressure		Pa	30	30	30	30	30	30	30	30	60	60	60	60
Approximate Packing Measurement		m³	0.21	0.21	0.21	0.21	0.27	0.27	0.27	0.27	0.38	0.38	0.38	0.52

NOTES:

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

Cooling Operation Conditions	Heating Operation Conditions
Indoor Air Inlet Temperature:27°C DB(80°F DB) 19.0°C WB (66.2°F WB)	Indoor Air Inlet Temperature: 20°C DB(68°F DB) Outdoor Air Inlet Temperature: 7°C DB(45°F DB) 6°C WB(43°F WB)
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)	
Piping Length: 7.5 Meters Piping Lift: 0 Meter	

2. The sound pressure level is based on following conditions.1.5m beneath the unit.

The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.



In-the-ceiling Type
(High Static Pressure)



- With a height of 270mm, it can be easily installed inside small-space residential ceiling.
- Choose proper way of air return according to actual installation condition.
(Noise level may increase in case of bottom air return)
- Air flow rate can be adjusted by 3 grades, lower noise in lower grade.
- Standard drain pump realize 900mm lift and meet various requirement.



Low-height
In-the-ceiling Type



- With a height of 192mm and a depth of 447mm, it can be easily installed inside the low height residential ceiling.
- Choose proper way of air return according to actual installation condition.
(Noise level may increase in case of bottom air return)
- Air flow rate can be adjusted by 3 grades, lower noise in lower grade.
- Standard drain pump realize 900mm lift and meet various requirement.

Indoor Unit		In-the-ceiling Type(High Static Pressure)													
Model	Power Supply	AC1Φ 220V/50Hz	AVD-07 UXCSAH	AVD-09 UXCSAH	AVD-12 UXCSAH	AVD-14 UXCSAH	AVD-17 UXCSBH	AVD-18 UXCSBH	AVD-22 UXCSBH	AVD-24 UXCSBH	AVD-27 UXCSCH	AVD-30 UXCSCH	AVD-38 UXCSCH	AVD-48 UXCSDH	AVD-54 UXCSDH
		AC1Φ 240V/50Hz	AVD-07 UXDSAHA	AVD-09 UXDSAHA	AVD-12 UXDSAHA	AVD-14 UXDSAHA	AVD-17 UXDSBH	AVD-18 UXDSBH	AVD-22 UXDSBH	AVD-24 UXDSBH	AVD-27 UXDSCH	AVD-30 UXDSCH	AVD-38 UXDSCH	AVD-48 UXDSDH	AVD-54 UXDSDH
		AC1Φ 220V/60Hz	AVD-07 UX2SAH	AVD-09 UX2SAH	AVD-12 UX2SAH	AVD-14 UX2SAH	AVD-17 UX2SBH	AVD-18 UX2SBH	AVD-22 UX2SBH	AVD-24 UX2SBH	AVD-27 UX2SCH	AVD-30 UX2SCH	AVD-38 UX2SCH	AVD-48 UX2SDH	AVD-54 UX2SDH
Nominal Cooling Capacity	kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2	16.0	
	kcal/h	1,900	2,400	3,100	3,700	4,300	4,800	5,400	6,100	7,200	7,700	9,600	12,200	13,800	
	Btu/h	7,500	9,600	12,300	14,700	17,100	19,100	21,500	24,200	28,700	30,700	38,200	48,500	54,600	
	kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3	18.0	
Nominal Heating Capacity	kcal/h	2,400	2,800	3,600	4,200	4,800	5,600	6,500	7,300	8,300	8,600	11,200	14,000	15,500	
	Btu/h	9,600	11,300	14,300	16,700	19,100	22,200	25,600	29,000	32,800	34,100	44,400	55,600	61,400	
Sound Pressure Level (High/Medium/Low)	dB(A)	34-32-30	34-32-30	35-33-31	35-33-31	36-34-32	36-34-32	38-36-34	38-36-34	42-39-35	42-39-35	43-40-36	44-42-37	47-43-39	
Outer Dimensions (H x W x D)		mm	270×(650+75) ×720				270×(900+75)×720				350×(900+75)×800			350×(1300+75)×800	
Net Weight		kg	25	25	25	25	34	34	34	34	44	44	44	56	56
Refrigerant			R410A(Nitrogen-charged for Corrosion-resistance)												
Indoor Fan Air Flow Rate (High/Medium/Low)	m³/min	8/7/6	8/7/6	13/11/9	13/11/9	15/13/11	15/13/11	16/14/12	16/14/12	25/21/17	25/21/17	27/23/19	37/31/25	38/35/29	
Motor Power		W	100	100	140	140	140	140	140	180	290	290	290	410	410
Connections Refrigerant Piping			Flare-nut Connection(with Flare Nuts)												
Liquid Line		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
Gas Line		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25(Outer Diameter Φ32)												
External Static Pressure		Pa	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	120(90)	120(90)	120(90)	120(90)	120(90)
Approximate Packing Measurement		m³	0.21	0.21	0.21	0.21	0.27	0.27	0.27	0.27	0.38	0.38	0.38	0.52	0.52

Indoor Unit		Low-height In-the-ceiling Type							
Model	AC1Φ 220V/50Hz	AVE-07 UXCSAL	AVE-09 UXCSAL	AVE-12 UXCSAL	AVE-14 UXCSBL	AVE-17 UXCSBL	AVE-18 UXCSBL	AVE-22 UXCSBL	AVE-24 UXCSBL
	AC1Φ 240V/50Hz	AVE-07 UXDSAL	AVE-09 UXDSAL	AVE-12 UXDSAL	AVE-14 UXDSAL	AVE-17 UXDSBL	AVE-18 UXDSBL	AVE-22 UXDSBL	AVE-24 UXDSBL
	AC1Φ 220V/60Hz	AVE-07 UX2SAL	AVE-09 UX2SAL	AVE-12 UX2SAL	AVE-14 UX2SAL	AVE-17 UX2SBL	AVE-18 UX2SBL	AVE-22 UX2SBL	AVE-24 UX2SBL
Nominal Cooling Capacity	kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3	7.1
	kcal/h	1,900	2,400	3,100	3,700	4,300	4,800	5,400	6,100
	Btu/h	7,500	9,600	12,300	14,700	17,100	19,100	21,500	24,200
Nominal Heating Capacity	kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5	8.5
	kcal/h	2,400	2,800	3,600	4,200	4,800	5,600	6,500	7,300
	Btu/h	9,600	11,300	14,300	16,700	19,100	22,200	25,600	29,000
Sound Pressure Level (High/Medium/Low)	dB(A)	28-25-22	28-25-22	32-30-27	32-30-27	35-31-29	35-31-29	36-34-31	36-34-31
Outer Dimensions (H x W x D)	mm	192×900×447	192×900×447	192×900×447	192×900×447	192×1170×447	192×1170×447	192×1170×447	192×1170×447
Net Weight	kg	20	20	21	21	26	26	26	26
Refrigerant	R410A(Nitrogen-charged for Corrosion-resistance)								
Indoor Fan Air Flow Rate (High/Medium/Low)	m³/min	8/7/6	8/7/6	10/8/7	10/8/7	14.5/12.5/10.5	14.5/12.5/10.5	16/14/12	16/14/12
Motor Power	W	50	50	70	70	90	90	100	100
Connections Refrigerant Piping	Flare-nut Connection(with Flare Nuts)								
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain	VP25(Outer Diameter Φ32)								
External Static Pressure	Pa	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)
Approximate Packing Measurement	m³	0.15	0.15	0.15	0.15	0.18	0.18	0.18	0.18

NOTES:

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

Cooling Operation Conditions
Indoor Air Inlet Temperature:27°C DB(80°F DB)
19.0°C WB (66.2°F WB)
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter

Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB(68°F DB)
Outdoor Air Inlet Temperature: 7°C DB(45°F DB)
6°C WB(43°F WB)

2. The sound pressure level is based on following conditions.1.5m beneath the unit.

The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

NOTES:

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

Cooling Operation Conditions
Indoor Air Inlet Temperature:27°C DB(80°F DB)
19.0°C WB (66.2°F WB)
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter

Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB(68°F DB)
Outdoor Air Inlet Temperature: 7°C DB(45°F DB)
6°C WB(43°F WB)

2. The sound pressure level is based on following conditions.1.5m beneath the unit.

The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.



Slim In-the-Ceiling Type



- With a height of 192mm and a width of 700mm, it can be easily installed inside the narrow residential ceiling.
- Choose proper way of air return according to actual installation condition.
(Noise level may increase in case of bottom air return)
- Air flow rate can be adjusted by 3 grades, lower noise in lower grade.
- Standard drain pumps realize 900mm lift and meet various requirements.



4-Way Cassette Type



- Extremely quiet operation by employing a super-high-stream turbo fan.
- The height of the unit is just 248mm(less than 24kbtu/h), it can be installed in a small space inside a ceiling.
- A broad range of air supply is suitable to be used in high ceiling and great space.
- Input power is reduced by applying new developed DC fan motor

Indoor Unit		Slim In-the-Ceiling			
Model	AC1Φ 220V/50Hz	AVE-07UXCSGL	AVE-09UXCSGL	AVE-12UXCSGL	AVE-14UXCSGL
Power Supply	AC1Φ 220V/50Hz				
Nominal Cooling Capacity	kW	2.2	2.8	3.6	4.3
	kcal/h	1,900	2,400	3,100	3,700
	Btu/h	7,500	9,600	12,300	14,700
Nominal Heating Capacity	kW	2.8	3.3	4.2	4.9
	kcal/h	2,400	2,800	3,600	4,200
	Btu/h	9,600	11,300	14,300	16,700
Sound Pressure Level (High/Medium/Low)	dB(A)	28-25-22	28-25-22	32-30-28	32-30-28
Outer Dimensions (H x W x D)	mm	192×700×602	192×700×602	192×700×602	192×700×602
Net Weight	kg	21	21	21	21
Refrigerant		R410A(Nitrogen-charged for Corrosion-resistance)			
Indoor Fan Air Flow Rate (High/Medium/Low)	m³/min	8/7/6	8/7/6	10/8/7	10/8/7
Motor Power	W	50	50	60	60
Connections Refrigerant Piping		Flare-nut Connection(with Flare Nuts)			
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7
Condensate Drain		VP25(Outer Diameter Φ32)			
External Static Pressure	Pa	10(30)	10(30)	10(30)	10(30)
Approximate Packing Measurement	m³	0.15	0.15	0.15	0.15

Indoor Unit		4-Way Cassette Type												
Model	Power Supply	AC1Φ 220V/50Hz	AVC-09 UXCSEB	AVC-12 UXCSEB	AVC-14 UXDSEB	AVC-17 UXDSEB	AVC-18 UXDSEB	AVC-22 UXCSEB	AVC-24 UXCSEB	AVC-27 UXDSEB	AVC-30 UXCSFB	AVC-38 UXCSFB	AVC-48 UXCSFB	AVC-54 UXCSFB
		AC1Φ 220V/60Hz	AVC-09 UX2SEB	AVC-12 UX2SEB	AVC-14 UX2SEB	AVC-17 UX2SEB	AVC-18 UX2SEB	AVC-22 UX2SEB	AVC-24 UX2SEB	AVC-27 UX2SEB	AVC-30 UX2SEB	AVC-38 UX2SEB	AVC-48 UX2SEB	AVC-54 UX2SEB
Nominal Heating Capacity	kW	2.8	3.6	4.3	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2	16.0	
	kcal/h	2,400	3,100	3,700	4,300	4,800	5,400	6,100	7,200	7,700	9,600	12,200	13,800	
	Btu/h	9,600	12,300	14,700	17,100	19,100	21,500	24,200	28,700	30,700	38,200	48,500	54,600	
Nominal Heating Capacity	kW	3.3	4.2	4.9	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3	18.0	
	kcal/h	2,800	3,600	4,200	4,800	5,600	6,500	7,300	8,300	8,600	11,200	14,000	15,500	
	Btu/h	11,300	14,300	16,700	19,100	22,200	25,600	29,000	32,800	34,100	44,400	55,600	61,400	
Sound Pressure Level (High/Medium/Low)	dB(A)	30-29-27	31-29-27	31-29-27	32-30-27	32-30-27	33-31-29	33-31-29	36-34-32	36-34-32	41-38-35	44-39-36	44-42-38	
Outer Dimensions (H x W x D)	mm	248 x 840 x 840								298 x 840 x 840				
Net Weight	kg	22	22	22	23	23	23	23	24	24	27	27	27	
Refrigerant		R410A(Nitrogen-charged for Corrosion-resistance)												
Indoor Fan Air Flow Rate (High/Medium/Low)	m³/min	13/12/11	15/13.5/12	15/13.5/12	16/14/12	16/14/12	19/17/14	20/17/15	26/23/20	26/23/20	32/28/24	34/29/25	37/32/27	
Motor Power	W	40	50	50	50	50	60	60	90	90	110	140	150	
Connections Refrigerant Piping		Flare-nut Connection(with Flare Nuts)												
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	
	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	
Condensate Drain		VP25(Outer Diameter Φ32)												
Approximate Packing Measurement	m³	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.26	0.26	0.26	0.26	0.26	
Standard Accessories		Suspension Brackets												
Panel Model		PH-A-NA												
Cabinet Color		Neutral White												
Outer Dimensions (H x W x D)	mm	37 x950 x 950												
Net Weight	kg	6	6	6	6	6	6	6	6	6	6	6	6	
Approximate Packing Measurement	m³	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	

NOTES:

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

Cooling Operation Conditions
Indoor Air Inlet Temperature:27°C DB(80°F DB)
19.0°C WB (66.2°F WB)
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter

Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB(68°F DB)
Outdoor Air Inlet Temperature: 7°C DB(45°F DB)
6°C WB(43°F WB)

2. The sound pressure level is based on following conditions.1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

NOTES:

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

Cooling Operation Conditions
Indoor Air Inlet Temperature:27°C DB(80°F DB)
19.0°C WB (66.2°F WB)
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter

Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB(68°F DB)
Outdoor Air Inlet Temperature: 7°C DB(45°F DB)
6°C WB(43°F WB)

2. The sound pressure level is based on following conditions.1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.



Wall Type



- Elegant design harmonizes with any type of interior design.
- Anti-mold filter is equipped as standard accessory.
- The flap provided with three flow guides each at its right and left sides helps disperse the air flow, which contributes to sound air distribution.
- Compact and light weight allow easy installations

Indoor Unit		Wall Type			
Model	AC1Φ 220V/50Hz	AVS-09URCSRAA	AVS-14URCSRAA	AVS-18URCSRAA	AVS-22UXCSRAA
	Power Supply	AC1Φ 240V/50Hz	AVS-09URDSRAA	AVS-14URDSRAA	AVS-18URDSRAA
Nominal Cooling Capacity	kW	2.8	4.0	5.6	6.3
	kcal/h	2,400	3,400	4,800	5,400
	Btu/h	9,600	13,700	19,100	21,500
Nominal Heating Capacity	kW	3.2	4.8	6.3	7.5
	kcal/h	2,800	4,100	5,400	6,500
	Btu/h	10,900	16,400	21,500	25,600
Sound Pressure Level (High/Medium/Low)	dB(A)	38-35-32	42-38-35	43-39-36	44-40-38
Cabinet Color		Silky White			
Outer Dimensions(H x W x D)	mm	305 x 870 x 225			
Net Weight	kg	9	16	22	24
Refrigerant		R410A(Nitrogen-charged for Corrosion-resistance)			
Indoor Fan Air Flow Rate (Cooling/Heating)	m³/min	6.9/6.5/6.1	10.5/10.1/9.6	12.8/12.2/11.6	13.3/12.8/12.1
Motor Power	W	30	40	50	50
Connections Refrigerant Piping		Flare-nut Connection(with Flare Nuts)			
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
Gas Line	mm	Φ12.7	Φ12.7	Φ15.88	Φ15.88
Condensate Drain		VP16	VP16	VP16	VP16
Approximate Packing Measurement	m³	0.11	0.11	0.11	0.11
Standard Accessories		Wall Mounting Bracket			

NOTES:

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

Cooling Operation Conditions
Indoor Air Inlet Temperature:27°C DB(80°F DB)
19.0°C WB (66.2°F WB)
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter

Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB(68°F DB)
Outdoor Air Inlet Temperature: 7°C DB(45°F DB)
6°C WB(43°F WB)

2. The sound pressure level is based on following conditions.1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.



Floor Concealed Type



- Compact design for limited space of perimeter wall.
- Concealed installation won't spoil interior decoration.

Indoor Unit		Floor Concealed Type			
Model	AC1Φ 220V/50Hz	AVH-09UXCSAA	AVH-14UXCSAA	AVH-18UXCSBA	AVH-24UXCSBA
	Power Supply	AC1Φ 240V/50Hz	AVH-09UXDSAA	AVH-14UXDSAA	AVH-18UXDSBA
	AC1Φ 220V/60Hz	AVH-09UX2SAA	AVH-14UX2SAA	AVH-18UX2SBA	AVH-24UX2SBA
Nominal Cooling Capacity	kW	2.8	4.3	5.6	7.1
	kcal/h	2,400	3,700	4,800	6,100
	Btu/h	9,600	14,700	19,100	24,200
Nominal Heating Capacity	kW	3.3	4.9	6.5	8.5
	kcal/h	2,800	4,200	5,600	7,300
	Btu/h	11,300	16,700	22,200	29,000
Sound Pressure Level(High/Medium/Low)	dB(A)	36-33-30	39-36-32	40-37-33	43-39-35
Cabinet Color		Silky White			
Outer Dimensions(H x W x D)	mm	620 x 900 x 202		620 x 1170 x 202	
Net Weight	kg	18	22	26	27
Refrigerant		R410A(Nitrogen-charged for Corrosion-resistance)			
Indoor Fan Air Flow Rate(High/Medium/Low)	m³/min	8/7/6	10/8/7	14.5/12.5/10.5	16/14/12
Motor Power	W	50	80	90	100
Connections Refrigerant Piping		Flare-nut Connection(with Flare Nuts)			
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.53
Gas Line	mm	Φ12.7	Φ12.7	Φ15.88	Φ15.88
Condensate Drain		VP25	VP25	VP25	VP25
Approximate Packing Measurement	m³	0.19	0.19	0.23	0.23

NOTES:

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

Cooling Operation Conditions
Indoor Air Inlet Temperature:27°C DB(80°F DB)
19.0°C WB (66.2°F WB)
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter

Heating Operation Conditions
Indoor Air Inlet Temperature: 20°C DB(68°F DB)
Outdoor Air Inlet Temperature: 7°C DB(45°F DB)
6°C WB(43°F WB)

2. The sound pressure level is based on following conditions.1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.