

Hisense
INVERTER
EXPERT

50 YEARS
ANNIVERSARY

Enrich Your Cooling Experience
With Global Technology



R-32

Hisense 2019 Air-Conditioner Catalog

Hisense

Company profile

Hisense Co., Ltd. is a Chinese multinational major appliance and electronics manufacturer headquartered in Qingdao. Hisense has been a sponsorship partners of several event such as UEFA EURO 2016, FIFA World Cup 2018 and we become the official partner of UEFA EURO in year 2020!

We are always striving to enhance and develop advanced energy saving air conditioners that will further improve customer experience.

Hisense launched the rotating series of intelligent air conditioners, and won the Epland Award, which is known as the Oscar of the home appliance industry.

2015

Hisense launched the first generation of Internet intelligent air conditioners, leading the intelligent revolution of the air conditioning industry.

2013

Hisense's first inverter air conditioner was launched and put into production.

1997

2014

Hisense proposed and began to apply intelligent system solutions that improve the air quality of users' homes.

2012

Hisense A8 series Apple Pie successfully launched with 11.3cm thickness, which become the thinnest air conditioner in the industry.

1996

Introduce world-class inverter air conditioner technology and production line, resume the first inverter air conditioner production base in China, and cut into the inverter industry at a high starting point.

4 Reasons to buy Hisense Air-conditioner

1

Super Cooling

With 'Super' Cooling button and long distance airflow, Hisense air-conditioner can cool your house faster.

2

Energy Saving

Hisense inverter 1.0HP, with average energy consumption per year 962.5 kWh which is more cost effective and energy saving.

3

Long Duration

Hisense air-conditioner using high quality material such as 100% copper piping, blue fin, to ensure our product can last longer. We are giving 2 years whole parts warranty for Non-inverter models and 3 years whole parts warranty for inverter models.

4

Technology Support

With the strong strength of global R&D, Hisense air-conditioner includes the latest inverter technology such as wide frequency control and low voltage operation.

2

R&D Centers

300

R&D Engineer

2000+

Technology Patents



China Government's choice for Energy Efficient Air Conditioner Year 2018



Super Cool



■ Super Cooling Button

R32 Inverter	Min (m ³ /h)	Medium (m ³ /h)	Max (m ³ /h)
1.0HP Inverter	863	2623	3647
1.5HP Inverter	658	3473	3648
2.0HP Inverter	1119	5008	5456
2.5HP Inverter	1630	6143	6632

Press the "SUPER" button in the remote controller to immediately feel the cool air you desire, especially in hot weather.
*Applicable for CA Series

■ Long Distance Air Flow



With more powerful air-flow, Hisense air-conditioner can cool your house faster and give you a better cooling experience during the hot summer.

Product	Comparison	Air flow Distance
1.0Hp	Common AC	6m
	Hisense AC	8m
1.5Hp	Common AC	8m
	Hisense AC	10m
2.0Hp	Common AC	12m
	Hisense AC	15m
2.5Hp	Common AC	12m
	Hisense AC	16m



Comfortable



Smart Mode



21°C~23°C Fan only



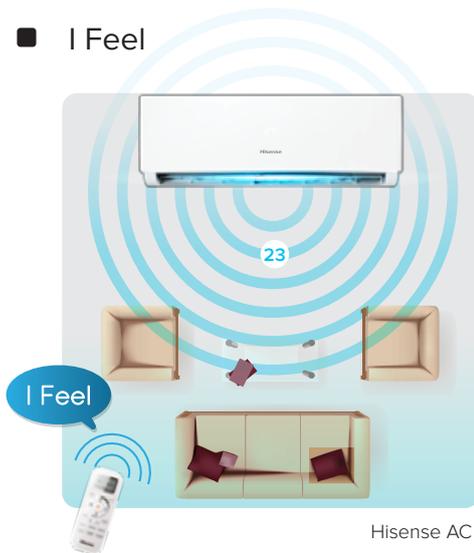
23°C~26°C Dry



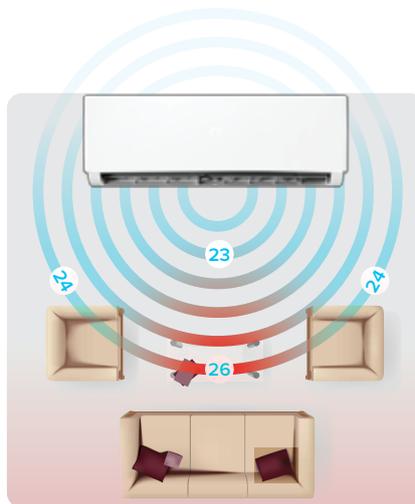
Over 26°C Cooling

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

I Feel



Hisense AC



Other AC

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.

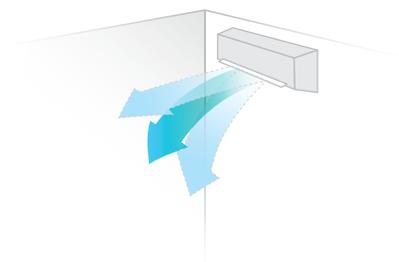
4D Auto Swing

Louvers on Hisense air-conditioners can swing automatically in different directions, left, up and down, which will generate 4D air flow to make people in room comfortable.



Louver Works State Memory

When the power is turned off and turned on again, the operating state of horizontal louver will automatically move or static as you set last time.





Comfortable



■ **Low Voltage Start**

With ultra low voltage start function of Hisense air-conditioner, you can enjoy cool at any time, be free from the influence of power fluctuation.



■ **Super Quiet Mode**

19dB(A)



With special design air tunnel and advanced control technology, the new R32 Inverter AC noise reaches ultra low level, 19dB in Quiet mode. With the new design of the cross flow fan and the optimization of the air channel, the noise level can be lower down and make you feel more comfortable.

Whisper



20dB(A)

30dB(A) Noise Level
Have No Impact
on Sleep



30dB(A)

Quiet Library



40dB(A)

Street



70dB(A)



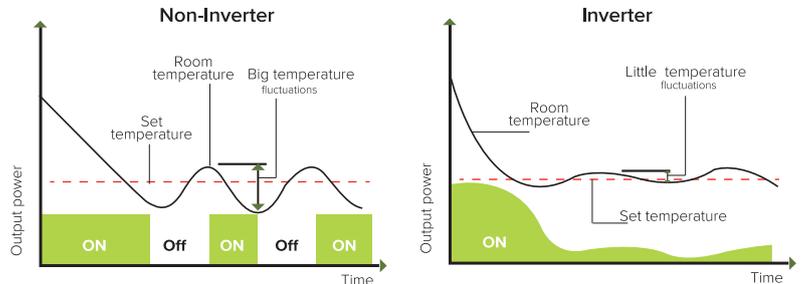


Energy Saving



■ Inverter Technology

Smart inverter air-conditioners can have high-efficiency in cooling and high-precision in maintaining room temperature by changing compressor rotation speed automatically, which can better cooling experience with lower electricity cost.



■ Energy saving up to 38%

Combined with the latest technology of Hisense, through a series of product optimization to ensure that the power consumption of Hisense air conditioner is significantly cut down.



Hisense Inverter Model	AI10CAG	AI13CAG	AI20CAG	AI25CAG
Horse Power (HP)	1.0HP	1.5HP	2.0HP	2.5HP
BTU	9,500	12,283	18,000	22,000
Average Energy Consumption Per Year (kWh)	962.5	1,289.7	1,961.3	2,338.1
Consumes less energy than the lowest 2-star product %	35%	34%	34%	38%
Energy Star				

Hisense Non-Inverter Model	AN10TQG AN10DBG	AN13TQG AN13DBG	AN20TQG AN20DBG	AN25TQG AN25DBG
Horse Power (HP)	1.0HP	1.5HP	2.0HP	2.5HP
BTU	9,500	12,283	18,000	22,000
Average Energy Consumption Per Year (kWh)	1357	1721	2675	3325
Consumes less energy than the lowest 2-star product %	10%	8%	13%	12%
Energy Star				

* Source from Suruhanjaya Tenaga Malaysia



Safety & Durability

Safety & Durability



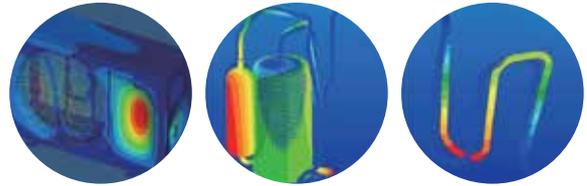
100% Copper Pipes

All range of Hisense air-conditioners' evaporator and condenser are made by copper, instead of aluminum. Because compared with aluminum pipes, copper pipes have higher temperature and pressure resistance, which can ensure better operating safety, better hardness and weldability can ensure longer lifetime and easier maintenance.



Numerical Simulation Technology

Using leading numerical simulation analysis technology, engineer can simulate air conditioning system operation from initial designing stage, which can optimize system stability and minimize vibration and noise.



Double Fireproof Designing

In order to ensure the safe operation of electric circuit, Hisense air-conditioners' control boards are covered by fireproof coating and put into closed metal shell, to enhance electrical safety.



Outside Metal Shell



Internal Fireproof Plastic Case

Air Conditioner Warranty

Hisense is providing a 3 years general warranty for inverter air conditioner because of strong confidence in product quality and giving you a piece of mind.



High Efficiency Blue Fin Technology

Using leading numerical simulation analysis technology during designing period, Hisense blue fin technology can improve the comprehensive performance of heat exchange effectively.





Environment Friendly



■ R32 Refrigerant

Compared with R32 and other HCFC refrigerant, R32 has lower ozone depletion potential with better cooling efficiency. This refrigerant will also reduce impact on global warming while working with lower power consumption.

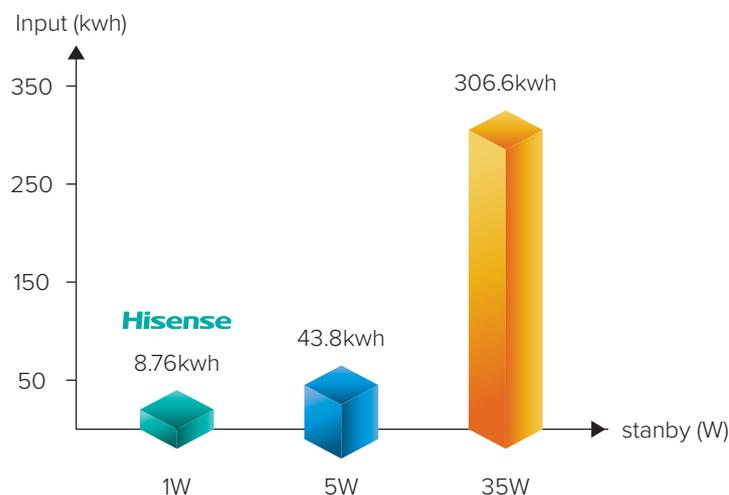


Refrigerant	R410A	R32 (NEW)	Why R32 Refrigerant is GOOD?
Ozone Depletion Potential (ODP)	0	0	Both R32 and R410A refrigerant has zero impact on the ozone layer, environmental friendly
Global Warming Potential (GWP)	2,088	675	R32 refrigerant provide low GWP to reduce carbon footprint, more environmental friendly
Composition	100% R32	50% R32 50% R125	R32 is a single component refrigerant, easier to produce and reuse

■ 1W Standby

Energy saving technology module adding Energy saving 1W standby function instruction, The Standby status maximum power consumption during the year is 8.76 kw.h.

Standby status: air conditioning boot waiting to accept remote command status (fan, compressor not started)



2019
R-32
Air Conditioner
Series



Inverter CA Series

1.0HP | 1.5HP | 2.0HP | 2.5HP

R32 Refrigerant
DC Inverter
LED Temperature Display
Ionizer Filter
Blue Fin
100% Copper Pipe
Energy Saving



Standard DB Series

1.0HP | 1.5HP | 2.0HP | 2.5HP

R32 Refrigerant
LED Temperature Display
Ionizer Filter
Blue Fin
100% Copper Pipe
Energy Saving



Standard TQ Series

1.0HP | 1.5HP | 2.0HP | 2.5HP

R32 Refrigerant
LED Temperature Display
Ionizer Filter
Blue Fin
100% Copper Pipe
Energy Saving



R32



SPECIFICATION

Series			Inverter - CA series				
Model No:			AI10CAG	AI13CAG	AI20CAG	AI25CAG	
Horse Power (HP)			1.0HP	1.5HP	2.0HP	2.5HP	
Ratings	Stars						
	Average Energy Consumption Per Year (kWh)		962.5	1289.7	1961.3	2338.1	
	BTU		9500	12283	18000	22000	
	Cooling Capacity	W	2800	3600	5270	6450	
	Rated Input-Cooling	W	830	1160	1850	2150	
	Air Circulation (Indoor)	m3/h	550	550	750	1100	
	EER for Cooling	W/W	4.6	4.6	4.1	4.1	
	Energy Class	Cooling	4 Star	4 Star	4 Star	4 Star	
	Refrigerant	Type	R32	R32	R32	R32	
	Refrigerant charge volume	g	400	500	700	950	
	Indoor Unit Noise Level, dB(A)	High	38	38	46	48	
		Low	32	32	37	39	
	Outdoor Unit Noise Level	dB (A)	49	49	56	56	
Power Supply	Voltage, Frequency, Phase	V	220-240V~,50Hz,1P				
	Rated Current	Cooling (A)	3.6	5.0	7.7	9.4	
	maximal pipe length	m	25	25	25	25	
	maximal heights' interval	m	10	10	10	10	
	LRA	A	--	--	--	--	
	Degree of protection (IN) / (OUT)	(IP)	IPX0/IPX4				
System	Compressor	Type	Rotary				
		Overload Protector	Internal				
Pipe Diameter	Liquid Pipe	inch	1/4	1/4	1/4	3/8	
	Gas Pipe	inch	3/8	3/8	1/2	5/8	
Features	Super Quiet (19 dB)		Yes				
	0.5°C accurate temperature control		Yes				
	Display on Front Panel		LED				
	LCD Wireless Remote Controller		Yes				
	Removable and washable Panel		Yes				
	Washable PP Filter		Yes				
	24 Hours Timer		Yes				
	3 Speed and Auto Indoor Fan Control		Yes				
	Vertical Auto Swing Louver		Yes				
	Horizontal Auto Swing Louver		Yes				
	Sleep Operation		Yes				
	Smart Function		Yes				
	Super Function		Yes				
	Auto Restart		Yes				
	Dimmer		Yes				
	2 Ways Draining Connection (Left & Right)		Yes				
	Ionizer Filter		Yes				
Others	Net Dimensions	WxHxD (mm)	Indoor Unit	790x255x200	790x255x200	890x300x220	998x325x225
			Outdoor Unit	660x482x240	660x482x240	780x540x260	810x585x280
	Gross Weight (Kg)		Indoor Unit	8.5	8.5	12.0	13.5
			Outdoor Unit	24.5	25.0	32.0	36.0
	Net Weight (Kg)		Indoor Unit	7.3	7.3	10.0	11.0
			Outdoor Unit	22.0	22.5	29.0	33.0

Hisense Marketing Network



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

- Overseas Production Base
- Overseas Company
- Countries and Regions of Exported Products
- R&D Center

Hisense



UEFA
EURO2020

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