

Haier

Haier Commercial Air Conditioning



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CONTACTS

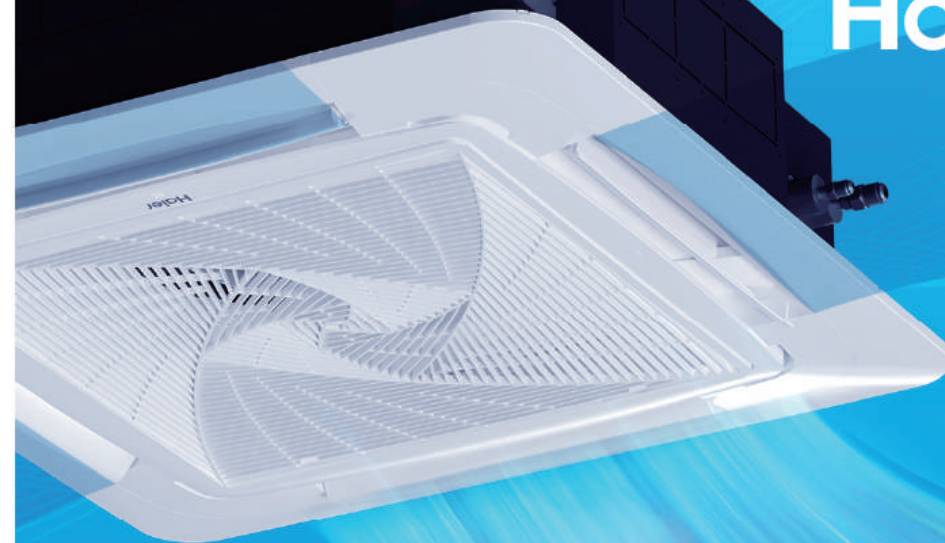
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www.haier.com/my

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Haier reserves the right to make changes without any notice.

2023

Haier



SUPERAIR



R32 Non-Inverter Series

Models Line-up

 COOLING ONLY

Type	kW	Controller	5.0	7.1	9
Power Supply		Standard	1/220/50	1/220/50	1/220/50
Outdoor			 	 	 
			1U50S1TM1SA	1U71S1TT1SA	1U90S1LT1SA
Round Way Cassette (Panel PB-950QB)			 	 	 
			YL-HRS01	AB50S1SR1FA	AB71S1SR1FA

Type	kW	Controller	10.5	14.0
Power Supply		Standard	3/380/50	3/380/50
Outdoor			 	 
			1U105S1LN1SB	1U140S1LP1SB
Round Way Cassette (Panel PB-950QB)			 	 
			AB105S1SR1FA	AB140S1SR1FA



OUTDOOR

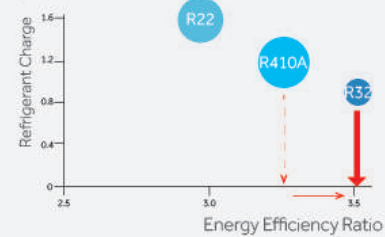
High Efficiency

R32 Environmental Refrigerant

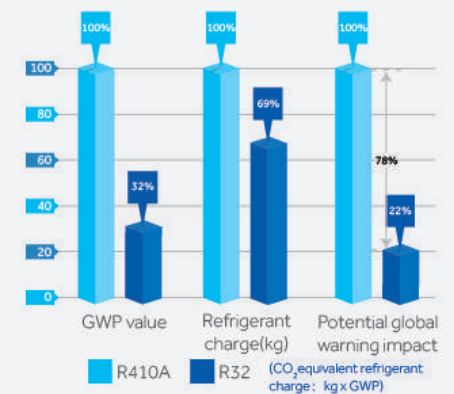
Higher Energy Efficiency

R32 Lower GWP: 675, reducing the impact of refrigerant gases on global warming.

Refrigerant performance



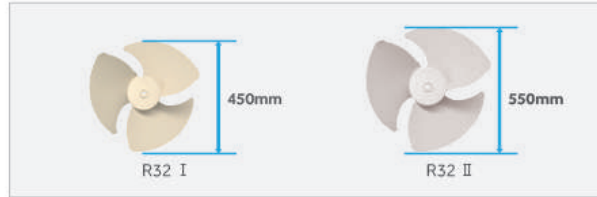
Refrigerant performance	GWP
R22	1910
R140A	2088
R32	675



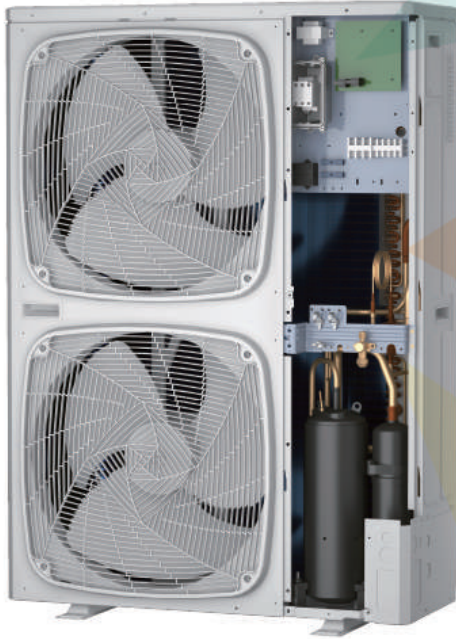
High Efficiency

New Designed Fan

Based on aerodynamics theory, we create 550mm super big diameter helix fan, air flow increase 16.7%.



High Reliability



Fixed PCB

More accurate monitoring and control of the running state of the machine through the Outdoor PCB standard.

The communication between indoor and outdoor units is more stable through wired connection.



Pressure Switch

Pressure switch is installed in the high pressure pipeline of the refrigeration system. When abnormal high pressure occurs in the pipeline, protect the system to prevent the compressor from being damaged.



Filter Drier

Filter impurities in the refrigeration system, such as metal chips, dust, etc., to prevent blocking the capillary tube or damaging the compressor.

Absorb the residual water in the refrigeration system, prevent ice blockage, and reduce the corrosion of water on the refrigeration system.

Convenience

15m Long Piping No Add More Refrigerant

The air conditioner is pre charged with refrigerant, which can realize 15m long piping no add more refrigerant.



Built-in Valve Design

The new built-in valve design, it can realize 4 way pipe connection (front, rear, right, down), it is more beautiful and easy installation.



Double Side 4 Handles

Because of double side 4 handles design, it is very easy for 2 peoples carry it.





ROUND WAY CASSETTE

Healthy



Antibacterial Filter (Optional)

Silver (Ag) is a natural antibacterial material, which has good broad-spectrum antibacterial properties and could motivate bacterial extinction.

Haier antibacterial filter has added silver ions and antibacterial organics to kill escherichia coli & staphylococcus aureus effectively, with long lasting effects.

Healthy

HEPA Module (Optional)

PM2.5 is particulate matter with a diameter of $\leq 2.5\mu\text{m}$ in the air, which has negative impacts on air quality and visibility. PM2.5 has small particle size, large area, strong activity, easy to carry toxic and harmful substances (such as heavy metals, microorganisms, etc.), long residence time in the atmosphere and long transportation distance, so it has a greater impact on human health and atmospheric environmental quality.

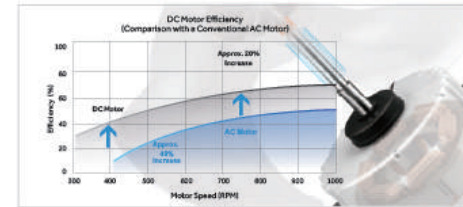
HEPA module could remove PM2.5 with high purifying efficiency-99.9% per 2h.



Energy Saving

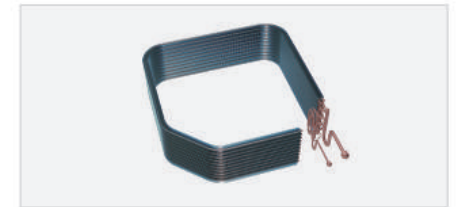
DC Fan Motor

Haier cassette adopts DC fan motor, compared to conventional AC fan motor, DC fan motor is more efficiency.

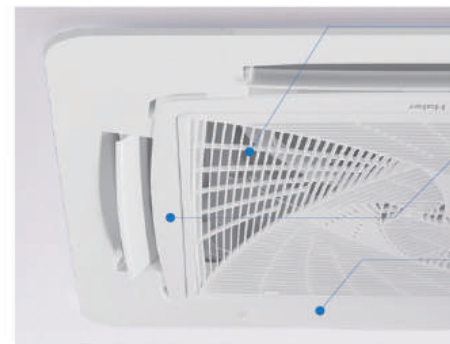


New Heat Exchanger Design

The area of exchanger is enlarge to increase heating efficiency.



Comfortable



1 "Spiral" Panel

"Spiral" concept, "Haier" image.

2 Hidden LCD Display

The 360° smart flow cassette have particular hidden LCD display design. Green display for cooling red display for heating, it is very easy identified by opening mode.

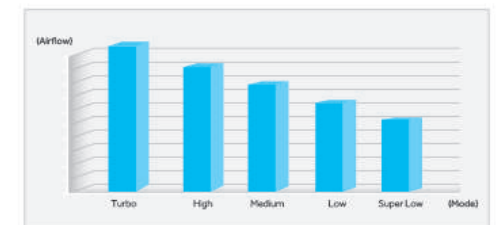
3 Flap is Closed When Air Conditioner Off

There is no crack from the flap and the panel when the air conditioner off. More elegance.

5-speed Airflow

There are 5-speed airflow: super low/low/medium/high/Turbo mode to choose.

Turbo mode with super high speed for cooling/heating rapidly; (15 minutes return to high speed to lower the sound level!)



Comfortable

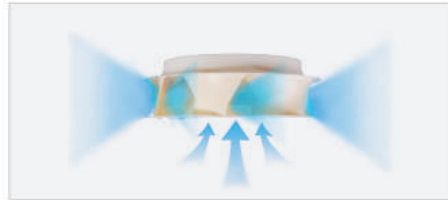
Super Big Inlet Grille

Compared to conventional air inlet grill, we enlarge the air inlet area by 23%, lower air speed & lower the sound level.



Brand-new Designed Fan

The diameter of new fan is enlarged based on aerodynamic theory, so that there is the least resistance against airflow. Reduce 3dB(A) for sound level.



Individual Flap Control

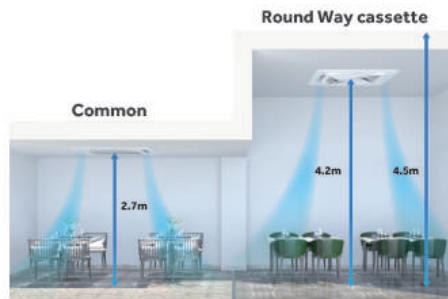
The four flaps can be controlled individually according to end users by controller, providing maximum comfort throughout the room, it is a good solution to avoid "air conditioning disease".



High Ceiling Mode

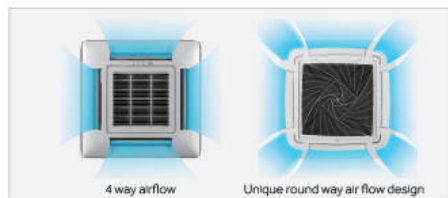
Lots of shops are 5 meters high ceiling. This model can be installed in 4.5 metres height. The best solution for high ceiling shop.

*By wired controller YR-E17A to realize the function.



Round Way Air Supply

Round way air supply without blind spot.



Smart

WiFi Control (Optional)

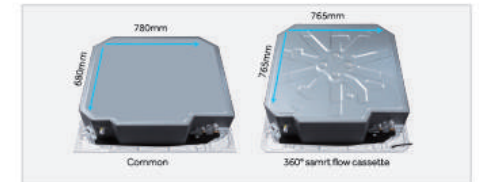
Besides normal wired/infrared control, Haier supplies Smart Control from Haier Smart APP, including the on/off, operation mode selection, fan speed temperature, and air flow adjustment, schedule.



Convenience

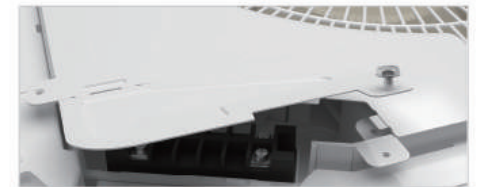
Square Hanger

Unit body size: 765*765mm, innovative square hanger, flexible direction adjustment for installation.



Dismantling Only 1 Screw

Installer can finish wiring by taking down 1 screw.



Convenient Clip

There is clip to lock the panel. Just one installer can finish the screwing for panel. Save manpower and easy installation.



High Lift-up Drain Pump

It can lift condensed water up to 1000mm, which is more flexible to install the duct according to the layout.



Round Way Cassette



5.0/7.1/9.0/10.5/14.0kW



Round Way air supply



Move eye intelligent system



Convenient clip



Self clean



Model	Indoor unit		AB5051SR1FA	AB7151SR1FA	AB9051SR1FA	AB10551SR1FA	AB14051SR1FA
	Outdoor unit		1U9051TM1SA	1U7151TT1SA	1U9051LT1SA	1U10551LN1SB	1U14051LP1SB
Nominal Performance Data	Capacity	KW	5.30	7.00	9.00	10.50	14.10
		Btu/h/1000	18.00	24.00	30.70	36.00	48.00
	Input	W	1.7	2.36	2.39	3.11	4.55
	Running Current	A	/	/	/	/	/
	EER	-	3.12	2.97	3.76	3.38	3.10
CSPF	-	/	/	/	/	/	
INDOOR UNIT							
Electrical Parameters	Power Supply	Ph/V/Hz	1/220/50	1/220/50	1/220/50	1/220/50	1/220/50
	Indoor Air Flow (SH/H/M/L)	m³/h	900	1200	1500	1800	2000
Performance	Sound Power Level (SH/H/M/L)	dB(A)	43/40/38/35	45/42/39/36	47/43/41/37	49/45/42/39	50/46/43/41
	Indoor Noise Level (SH/H/M/L)	dB(A)	—	—	—	—	—
Installation	External Dimension (L/W/H)	mm	840/840/180	840/840/202	840/840/244	840/840/244	840/840/286
	Packing Dimension (L/W/H)	mm	978/978/247	978/978/269	978/978/312	978/978/312	978/978/353
	Net/Gross Weight	kg	21/26	22/27	25/30	26/32	26/32
	Controller	Standard Optional	YL-HRS01 YR-E17A	YL-HRS01 YR-E17A	YL-HRS01 YR-E17A	YL-HRS01 YR-E17A	YL-HRS01 YR-E17A
Panel Model	Panel Model	-	PB-950QB	PB-950QB	PB-950QB	PB-950QB	PB-950QB
	External Dimensions (W/D/H)	-	950/950/50	950/950/50	950/950/50	950/950/50	950/950/50
	Shipping Dimensions (W/D/H)	mm	1013/1035/125	1013/1035/125	1013/1035/125	1013/1035/125	1013/1035/125
	Net/Shipping Weight	kg	5.5/8.5	5.5/8.5	5.5/8.5	5.5/8.5	5.5/8.5
OUTDOOR UNIT							
Electrical Parameters	Power Supply	Ph/V/Hz	1/220/50	1/220/50	1/220/50	3/380/50	3/380/50
	Outdoor Air Flow	m³/h	1800	2000	3500	5000	7000
Performance	Outdoor Noise Level	dB(A)	53	54	55	59	60
	External Dimensions (L/W/H)	mm	890/275/553	890/340/705	920/372/760	950/370/965	950/370/1350
Installation	Shipping Dimensions (L/W/H)	mm	954/409/625	1046/460/780	1085/487/843	1050/485/1095	1050/485/1500
	Net/Shipping Weight	kg	33/37	49.5/53	54/59	72.5/84	101/116
	Compressor Type	-	Rotary	Rotary	Rotary	Rotary	Rotary
	Refrigerant Type	-	R32	R32	R32	R32	R32
Working temp.	GWP	-	675	675	675	675	675
	Liquid Side	mm	6.35	6.35	9.52	9.52	9.52
	Gas Side	mm	12.70	12.70	15.88	15.88	15.88
	Max Pipe Length	m	20	20	20	30	50
	Max Drop Between I.U.&O.U	m	10	10	10	15	20
	Refrigerant Load in Factory	g	0.86	1.00	1.88	2.25	2.78
	Refrigerant Charge Quantity for Extra Length	g/m	50g*(B-10)+20g	120g*(B-10)+45g	120g*(B-10)+45g	340g*(B-15)+45g	340g*(B-15)+45g
	Maximum Pipe Length Without Charge Refrigerant	m	10	10	10	15	15
Operation Temperature Range	°C	16-30	16-30	16-30	16-30	16-30	
Ambient Temperature Range	°C	18-43	18-43	18-43	18-43	18-43	