

# Haier



## AI ECO Inverter

ECO Expert, Healthy Air

Designed to Save, Built to Last



SAVE ON  
ELECTRICITY BILLS



COMFORT



RELIABLE

# ECO Expert, Healthy Air

Cooling Capacity: 09K, 12K, 18K, 24K



## 3 CUSTOMER BENEFITS



### SAVE ON ELECTRICITY BILLS

AI ECO, 3 Step ECO, Full DC Inverter,  
Power Consumption Check,  
Free Match Indoor



### COMFORT

UVC Plus Optional, Self Clean,  
Coanda Plus Airflow



### RELIABLE

Hyper PCB, Anti-Corrosion

## 5 TECHNICAL SUPPORT

1

### ULTIMATE ECO

- ▶ AI ECO ▶ 3 Step ECO ▶ Free Match Indoor
- ▶ Power Consumption Check ▶ Full DC inverter

2

### ULTIMATE COMFORT

- ▶ UVC Plus Optional ▶ Self Clean ▶ Coanda Plus Airflow
- ▶ I FEEL ▶ Whispering Air

3

### ULTIMATE RELIABLE

- ▶ Anti-Corrosion ▶ Hyper PCB ▶ Low Ambient Cooling

4

### ULTIMATE SMART

- ▶ WIFI ▶ Power Consumption Check ▶ Wired Control & Central Control

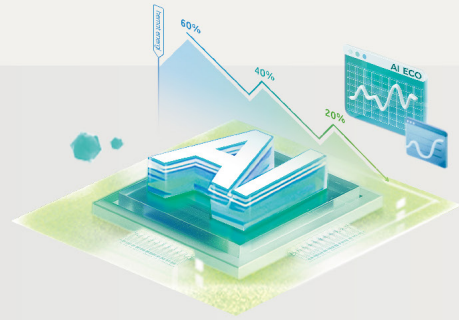
5

### ULTIMATE FIT

- ▶ Easy to Install ▶ Easy to Maintain

## AI ECO

Using advanced machine learning and data analysis algorithms, the AI ECO function can automatically collect and analyze a large amount of environment and equipment operating status data, and quickly make the optimized adjustments.



## WIFI CONTROL

Imagine when you're hurrying back to your home in hot summer, or lying on the sofa at home but cannot find the remote controller. What you want is easily accessible control to your air conditioner from anywhere and anytime with App on your phone or tablet.



## POWER CONSUMPTION CHECK

A calendar-style view that lets you track energy usage by day, week, or month. AI ECO allows you to see your savings, get real-time alerts when energy use goes abnormal.



## SUPPORT WIRED CONTROLLER AND CENTRALIZED CONTROL

Allows both group and individual adjustments with wired and centralized control.



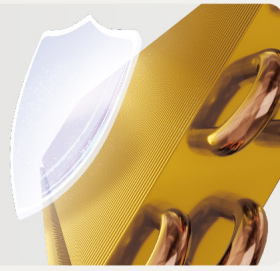
## SELF-CLEAN

Freezes the evaporator with moisture in the air, and removes away dirt in rapid melting, ensuring the air that comes out of air conditioners is always healthy for you.



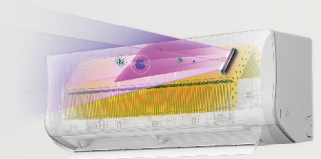
## ANTI-CORROSION

Protects air conditioner from the damaging caused by harsh environment in coastal regions, to enhance the reliability and air conditioning performance.



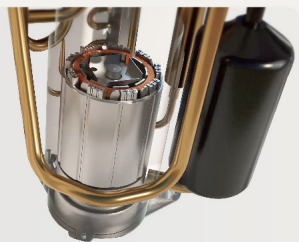
## UVC PLUS OPTIONAL

Haier air conditioner is equipped with UVC GENERATOR module. The module is tested and proven to be effective in inhibiting Covid-19 virus with up to 99.998% efficiency.\*



## DC MOTOR

Integrates TLFM inverter control, PID inverter control and A-PAM inverter control to achieve smart control of the air conditioner, and in the meanwhile, maximize comfort, reliability and efficient performance.



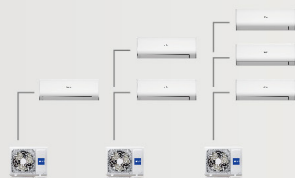
## ECO MODE

Reduces 20%-60% energy consumption, compared with normal mode, by limiting the current. Stay cool and no longer need to worry about the electricity bills.



## FREE MATCH INDOOR

Provides a full residential and light commercial air solutions for apartments, villas, shops and offices, etc. The stock management is made easy, and it saves your costs in warehouse, spare parts, and logistics.



## EASY TO INSTALL & MAINTAIN

Concerns a lot to installer's working efficiency, and means more income to them during peak season as well. Haier air conditioner is truly easy to install with various optimized components.



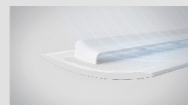
## INSECT PREVENTION FOR CIRCUIT BOARDS

The PCB is covered with thicker conformal coating that is better than the conventional to protect against moisture, chemicals, insects and extreme temperatures.



## COANDA PLUS AIRFLOW

Makes the wind out of the air conditioner further, faster, and stronger, so that the cool air can be evenly delivered to every corner of the room.



Archimedean Spiral

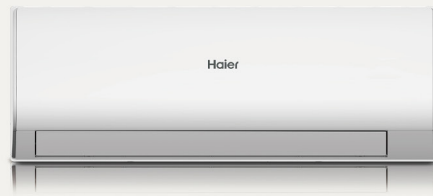


Venturi Effect



Supplemented Airflow

# AI ECO INVERTER PARAMETER



## Haier Specification of South Africa New Efficiency DC Inverter Split

Model Name		Indoor model	Set	ES09RE32I1 (INV)	ES12RE32I1 (INV)	ES18RE32I1 (INV)	ES24RE32I1 (INV)
		Outdoor model		ES09RE32E1 (INV)	ES12RE32E1 (INV)	ES18RE32E1 (INV)	ES24RE32E1 (INV)
Power supply			Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Label	rated Cooling T1	Capacity	Btu/h	9214	12746	18769	23001
		Capacity	W	2700	3735	5500	6740
		Input	W	840	1165	1525	2065
		Rated current	A	3.65	5.07	6.63	8.98
		EER	Btu/h.W	10.97	10.94	12.32	11.12
		EER	W/W	3.21	3.21	3.61	3.26
		Energy Class	star	A	A	A++	A
	rated Heating T1	Capacity	Btu/h	10835	14521	18769	24707
			W	3175	4255	5500	7240
		Input	W	865	1126	1320	1867
		Rated current	A	3.76	4.90	5.74	8.12
		COP	Btu/h.W	12.53	12.90	14.20	13.24
		COP	W/W	3.67	3.78	4.16	3.88
		Energy Class	star	A++	A++	A++	A++
Max. input consumption		W	1200	1300/1600	2000	2750/2350	
Max. current		A	5.3	5.6/7.3	9.1	12.1/10.7	
Starting current		A	-	-	-	-	
Operation Control				Remote	Remote	Remote	Remote
Indoor air flow(SH/Hi/Me/Lo/SQ)			m <sup>3</sup> /h	520	650	730	1100
Indoor noise level (Hi/Me/Lo)			dB(A)	41/38/27	42/38/27	45/40/32.5	52/48/35
Indoor dimension	Unit (WxHxD)	mm	705*265*193	805*292*200	875*304*212	975*318*222	
	Packing (WxHxD)	mm	772*263*325	876*272*365	945*296*390	1050*301*397	
Indoor weight	Net	kg	6.7	8.1	10.0	11.6	
	Gross	kg	8.5	10.2	12.0	14.4	
	Indoor Recommended Stack Height		8	8	8	8	
Outdoor noise level			dB(A)	51	51	55	55
Outdoor dimension	Unit (WxDxH)	mm	660*246*463	700*245*544	820*306*642	890*340*705	
	Packing (WxDxH)	mm	767*335*516	845*330*610	940*390*697	1046*460*780	
Outdoor weight	Net	kg	19.2	21.5	31.8	39.3	
	Gross	kg	22.5	25.5	36.0	45.0	
	Outdoor Recommended Stack Height		4	4	4	4	
Refrigerant	Type		R32	R32	R32	R32	
	Charge	g	460	510	830	900	
Refrigerant pipe	Liquid side	mm	6.35	6.35	6.35	6.35	
	Gas side	mm	9.52	9.52	12.7	12.7	
	Design pressure(Mpa)	Mpa	4.3/4.3	4.3/4.3	4.3/4.3	4.3/4.3	
	Max. refrigerant pipe length	m	15	20	25	25	
	Max. difference in level	m	10	10	15	15	
	Additional Refrigerant(>standard length)(g/m)	g/m	20	20	20	20	
Power Supplied		/	outdoor	outdoor	outdoor	outdoor	
Power Point type		/	No Plug	No Plug	No Plug	No Plug	
application area (Cooling standard)			m <sup>2</sup>	13-19	16-25	24-35	32-47
Ambient temperature range			°C	Cool: -15-50°C Heat: -20-24°C	Cool: -15-50°C Heat: -20-24°C	Cool: -15-50°C Heat: -20-24°C	Cool: -15-50°C Heat: -20-24°C
QTY Per 20'/40'/40' HQ		Indoor	1100	812	666	560	
QTY Per 20'/40'/40' HQ		out door	525	380	222	222	
QTY Per 20'/40'/40' HQ		Indoor+ Outdoor	350	272	198	173	