



Tonnage Class	1.2	1.5	2.0
Star Rating			

A revolution in air conditioning, the Hitachi i-Clean with automatic filter cleaning technology automatically removes the dust accumulated on the AC filter. With its powerful and excellent energy saving performance, i-Clean creates comfortable air conditioning environment with its elegant design.

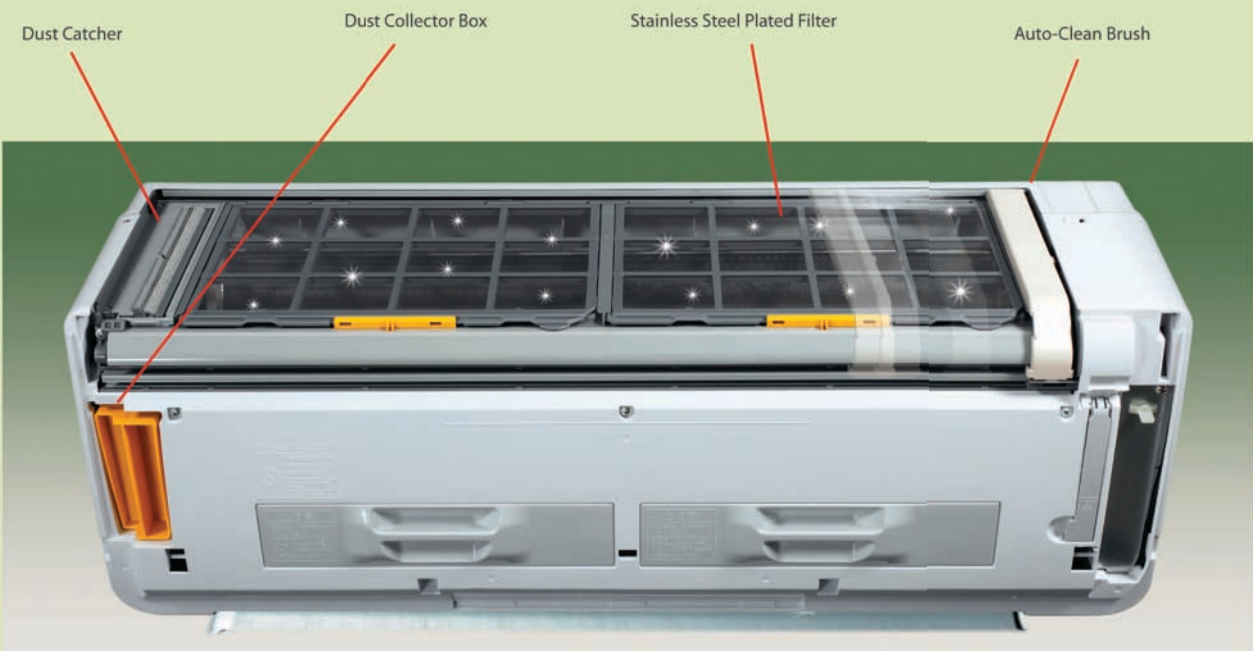
Why you need to clean the filter?

The filter works to trap airborne dust particles. When the filter is not cleaned regularly, dust can accumulate and clog it. The clogged filter creates problems like:



How does it work?

When command from controller for filter clean function starts, the cleaning unit makes one cycle from home position to Dust Collector Box position to sweep the dust by the brush on micromesh Stainless Steel Plated Filter. Then, Dust Catcher puts the collected dust into the Dust Collector Box.



Working principle

In i-Clean, the automatic filter cleaning process comes with 3 intelligent settings.

The intelligent settings only comes in action when the AC is in Stand By Mode i.e. when the AC is off by remote only, with respect to the cumulative fan running hours.

- **AUTO-CLEAN** - Automatically cleans the filter after completion of 10 cumulative fan running hours

If the AC has completed 10 cumulative fan running hours and is put on Stand By Mode, then the auto cleaning function starts to clean the filter. In case the AC is not on Stand By Mode but 10 cumulative fan running hours are completed, then the AC will wait for Stand By Mode to activate Auto-clean setting.

- **LOGICLEAN** - Automatically cleans the filter after completion of 24 cumulative fan running hours

If the AC is always switched off through power source than on the completion of 24 cumulative fan running hours, it logically thinks and automatically goes to Stand By Mode and starts cleaning the filter.

- **MY CLEAN** - Automatically cleans the filter as per your time

If you don't want your AC to be cleaned by Auto-clean and Logiclean settings and you want to clean whenever you wish, then select My Clean option and i-Clean cleans the filter automatically.

Benefits

Ever CLEAN
It prevents dust accumulation and keeps the filter always clean like new. It prevents the breeding of mould and bacteria that cause unpleasant odours. Fresh and comfortable forever.

Dust on filter after some days

Without filter cleaning With filter cleaning

Ever POWERFUL
Because it maintains the same performance as when it was first purchased, the level of power remains constant even after a long time of use. So that you can enjoy comfortable air conditioning that reaches every corner of the room.

Without filter cleaning With filter cleaning

Reduced cooling Consistent cooling

Ever EFFICIENT
Inefficient operation consumes more electricity. Auto filter cleaning operation makes i-Clean highly energy efficient.

Wastage of electricity Saving of electricity

EVER FACTORY FRESH

Important facts

1. The filter cleaning by 3 intelligent settings is only performed when the unit is in Stand By Mode (i.e., when the AC is off by remote only).
2. The cleaning takes 7-8 mins to complete the whole process (i.e., movement of brush from home position to back on the same position).
3. If cleaning process is on and power failure or any problem occurs because of which the AC is turned off, then the brush will stop in that position and will be back to the home position after the power is on.
4. By considering the fan rotation, the unit calculates the cumulative hours for cleaning.
5. In the case of cancellation in Logiclean process, the cumulative running hours will be set at zero.
6. On the time of cleaning operation, one red colour LED (called Auto-clean LED) on IDU shall remain continuously on.
7. When any problem occurs in unit at the time of cleaning operation, Auto-clean LED will blink to inform.
8. If the AC is in Stand By Mode and continuously not operated for 200 hrs, AC will automatically clean itself.

TECHNICAL SPECIFICATIONS

Description	Unit	i-Clean		
		1.2	1.5	2.0
Tonnage Class	Tr.	1.2	1.5	2.0
Star Rating	No. of BEE Stars	5	5	3 e
Unit	Model Number	RAU514ISD	RAU517ISD	RAU321ISD
IDU	Model Number	RAS514ISD	RAS517ISD	RAS321ISD
ODU	Model Number	RAC514ISD	RAC517ISD	RAC321ISD
Compressor	Type	ROTARY	ROTARY	SCROLL
Rated Cooling Capacity	BTU/Hr	13990	17573	21400
Rated Cooling Capacity	Watts	4100	5150	6272
Rated Power Supply	Volts/Hz/Phase	230/50/1	230/50/1	230/50/1
Total Power Input	Watts	1190	1490	2050
EER	Rated Cooling Capacity (BTU/Hr) / Power Input (Watts)	11.76	11.79	10.44
COP	Rated Cooling Capacity (Watts) / Power Input (Watts)	3.45	3.46	3.06
Current Drawn	Amps	5.25	6.55	9.1
Fan Speed	Steps	5	5	5
Air Flow (IDU) (Super High)	CFM	477	477	476
Sound Level* (IDU)	dB	36	36	41
Dimension (IDU) (W X H X D)	mm	798 X 294 X 258	798 X 294 X 258	798 X 294 X 258
Dimension (ODU) (W X H X D)	mm	750 X 548 X 288	792 X 600 X 299	792 X 600 X 299
Net Weight (IDU)	kg	11.1	11.1	11.1
Net Weight (ODU)	kg	40.3	45.3	46.9
Remocon	Type	Wireless LCD	Wireless LCD	Wireless LCD

Features may vary from model to model.

*At Super silent mode & at a distance of 1m.

Hitachi air conditioners are designed to work in ambient temperatures up to 52°C.

Due to continuous research & development, specifications & features may change without prior notice.