




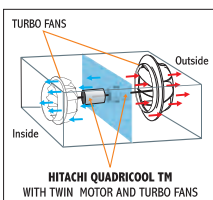
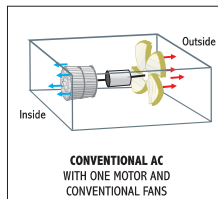


Tonnage Class	1.1	1.5	2.0
Star Rating			



Twin Motor Technology*

Conventional AC: In a conventional AC, since there is a single motor, it runs both the indoor and outdoor fans. Hence, when you reduce the fan speed inside, even the outside fan speed decreases. This reduces the machine's ability to throw hot air outside and impacts the overall efficiency of the AC.



Quadricool TM: In Quadricool TM, there are two independent fan motors - one for the indoor fan and the other for the outdoor fan. This means that the inside fan speed is independent of the outside fan speed. And the ability of the machine to throw hot air outside remains unaffected. Thus, the overall efficiency of the machine also remains unaffected.



Twin Turbo Technology

Conventional AC: In a conventional AC, sirocco fans are used on the inside and propeller fans on the outside. Since these fans, by design, don't throw air in both directions, their efficiency is lower. Also, due to the presence of a large number of blades, the air-cutting noise is very high. Thus resulting in high noise levels and lower efficiency.



Sirocco fan



Propeller fan

Hitachi Window Air-Conditioner: Turbo fans are designed to throw air in both directions and can provide higher airflow at lower RPM. Also, due to lesser number of blades, the air cutting is less. Hence, the use of Turbo fans both inside and outside increases overall airflow leading to higher efficiency at lower noise levels.



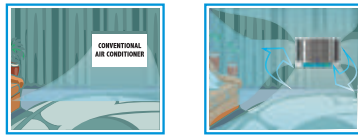
Turbo fans

*Available only with Quadricool TM.



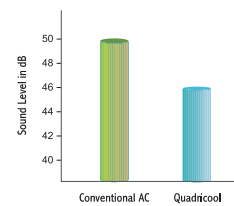
Uniform Air Distribution

The innovative air delivery mechanism enables spiral air flow, creating a 'whorl' effect, ensuring that there are no hot air pockets.



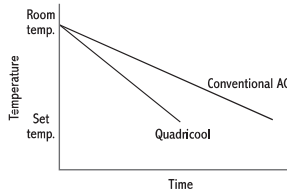
Quieter Cooling

The patented aerodynamically designed Twin Turbo fans drastically reduce air-cutting noise making it possibly the world's most silent Window AC. The sound levels come down to 46 dB, the lowest ever in the Window AC category.



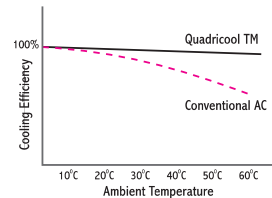
Lower Pull Down Time

The unique air delivery system and the Twin Turbo fans ensure a wider area of cooling at a faster rate reducing the pull down time. So the required temperature level is achieved at a much faster rate, as compared to conventional Acs.



Low Derating*

As the ambient temperature increases, the ability of the AC to deliver the required cooling decreases. Twin Motor Technology, coupled with Twin Turbo Technology, increases the heat exchange capacity even at very high temperatures ensuring the ability of the machine to deliver optimum cooling.



More Cooling For Less

Twin Motor Technology, coupled with Twin Turbo Technology, increases the condenser side airflow by over 15% and raises the heat exchange capacity as well. This results in higher cooling per unit of power consumed.



Auto Climate Technology

Human comfort is a combination of many factors, as depicted on the right. For example, in Delhi, the month of June is the peak of summers and temperatures touch close to 44°C with a humidity level of 60%. Whereas in Mumbai, at the same time of the day and the month, the temperature is around 35°C with a humidity level of 85%.

	Temperature	Air Circulation	Humidity
Time of the Day	✓	✓	✓
Individual Metabolic Rate	✓	✓	✓

In a regular AC, you can control these factors by changing the temperature and regulating the fan speed. But this presents you with more than 50 different combinations and choosing the correct option for optimal efficiency and comfort becomes extremely cumbersome.

That's why we developed Auto Climate Technology (ACT) which is a super-advanced intelligent feature that has temperature and humidity data for over 100 cities fed into it. The AC recognises which city you are in, the time of day and your individual metabolic needs (to be chosen by you). Based on these factors, it continuously changes the settings of the AC to provide you the most comfortable environment, while functioning most efficiently, at the touch of a button.



On/Off Timer With Advanced Start-Up

Simple On/Off Timer : You set the timer to switch on the AC at the specified time. The AC automatically starts at the preset time, and begins to cool the room. However, when you reach the room, it might be a bit too warm or a bit too cool. Basically, you don't get the desired comfort level. Also, you end up wasting a lot of electricity.



On/Off Timer With Advanced Start-up: You set the temperature that you want at the given time. The AC is smart enough to scan the room an hour before the set time. It calculates the time it'll need to reach the desired temperature, and switches on accordingly. So you get the perfect comfort level as soon as you come back, without wasting any electricity.



*Available only with Quadricool TM.



Dry Mode*

In high humidity conditions you can switch to dry mode, wherein the fan speed of the machine automatically becomes low which helps in removing moisture. In conventional air conditioners, when this happens, the outside fan speed also reduces, affecting the heat exchange capacity and hence the cooling efficiency. In Quadricool TM, due to the presence of two independent motors, the outside fan speed does not get affected when in dry mode and thus the heat exchange and cooling efficiency remain unaffected. Hence this gives you moisture removal as well as heat removal - 'A true dry mode.'

Other Features



Extra Heat Exchanger (XHE)

Window ACs are air-cooled. While Hitachi ACs are also air-cooled, there is an Extra Heat Exchanger attached to the coil which is cooled by the condensate water. Water-cooling is more effective than air cooling. Hence, with this Extra Heat Exchanger, the ability of the machine to throw hot air outside increases as compared to only air-cooled machines. Thus enabling the AC to operate efficiently even at very high ambient temperatures.



Kaimin

Ever woken up feeling chilly in the middle of the night? 'Kaimin' adjusts the temperature automatically through the night to suit your body needs. It is an intelligent feature that ensures you get sound sleep every night and wake up feeling fresh every morning. By raising 1°C per hour for up to 4 hours, its operation also ensures you save power up to 45%.



Koukin Filter With 'Filter Clean' Indicator

Do you know when to clean the filter? This unique anti-bacterial filter prevents bacterial growth in the AC, thus increasing the efficiency of the AC. Koukin filter with 'Filter Clean' indicator not only ensures you of a clean and healthy environment, it also indicates when to clean the filter.



Power Index

Does your AC bill enrage you more often than not? Power index on the control panel indicates the relative power consumption at different AC settings, enabling you to save power and lower your electricity bill.



My Mode

Conventional ACs have preset modes, whereas Hitachi ACs allow you the flexibility of three programmable comfort modes to ensure that you get perfectly customised cooling.



Supercool Function

In this, the AC works at its maximum, so as to maximise cooling. This function is available in Auto and Cool mode.



Comfort Modes

Four handy modes to choose from to give you perfect comfort-Fan, Dry, Cool & Super Cool.



Digilock

Is your AC being misused in your absence? If you don't want your AC to be misused, just switch to the Digilock. It locks your AC and prevents misuse in your absence, besides ensuring that your comfort settings aren't affected by tampering or accidental pressing of keys.



Alarm Function

Does your air-conditioned bedroom get too cozy for you to leave the bed every morning? Hitachi ACs come with an inbuilt alarm combined with an 'off' timer. It ensures that your busy day doesn't start late.



Selectable Fan Speeds

The air-conditioner comes with selectable fan speed to give you perfect comfort to suit your needs.



Silent Cooling

Here the AC works at its most silent level. This function is available in Auto, Cool, Fan mode.



Quality Tests

41 reliability tests and the unbelievably stringent Japanese Tochigi standards ensure you always get a world-class product.



Remocon

It comes with an LCD screen and backlight, so that you can operate it even in the dead of the night. Also, when not in use, the display shuts off automatically ensuring a longer battery life.

Technical Specification

Description	Unit	Quadricool™		
		1.1	1.5	2.0
Tonnage Class		1.1	1.5	2.0
Star Rating	No of BEE Stars	3	3	2
Unit	Model Number	RAV013EQDZ1	RAV018EQDZ1	RAV022EQDZ1
Compressor	Type	ROTARY	ROTARY	RECIP.
Rated Cooling Capacity	BTU/Hr	13000	17000	21500
Rated Cooling Capacity	Watts	3809	4981	6299
Rated Power Supply	Volts/Hz/Phase	230/50/1	230/50/1	230/50/1
Total Power Input	Watts	1320	1725	2480
EER	Rated Cooling Capacity (BTU/Hr) / Power Input (Watts)	9.85	9.86	8.67
COP	Rated Cooling Capacity (Watts) / Power Input (Watts)	2.89	2.89	2.54
Current Drawn	Amps	5.9	7.8	10.7
Fan Speed	Steps	3	3	3
Air Flow (Super High)	CFM	510	550	620
Sound Level*	dB	46	46	48
Dimension (W X H X D)	mm	660 X 430 X 805	660 X 430 X 805	660 X 430 X 805
Net Weight	Kg	59	66.5	79
Remocon	Type	Wireless	Wireless	Wireless

Features may vary from model to model.

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

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

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