

Panasonic

ideas for life

Air Conditioners



eco
ideas

ADVANCED*PLUS


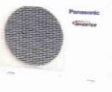

e-ion Air Purifying System


INVERTER

Lemoncool 8222024

GfK No. 1 in Unit Share for Year 2005 to 2008





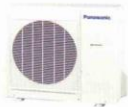
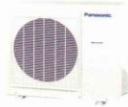
Model Line-up

		Wall-Mounted	
Indoor	Dual Split New		Triple Split New
			
	P.22		P.22
Capacity (Btu/h)	9,000	■ CS-S9JKZW	■ CS-S9JKZW
	12,000	■ CS-S12JKZW	■ CS-S12JKZW
	15,000		■ CS-S15JKZW
	18,000		■ CS-S18JKZW
Outdoor	 CU-2S18JKZ		 CU-3S27JKZ
Exclusive Features	Inverter Control		Advanced*Plus e-ion Air Purifying System
			Newly-Designed Patrol Sensor


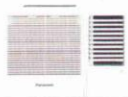
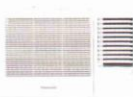

		Wall-Mounted	
Indoor	Dual Split New		Triple Split New
			
	P.23		P.23
Capacity (Btu/h)	9,000	■ CS-C9JKZW x 2	■ CS-C9JKZW x 3
Outdoor	 CU-2C18JKZ		 CU-3C20JKZ
Exclusive Features	Advanced*Plus e-ion Air Purifying System		Newly-Designed Patrol Sensor

■ Cooling Models

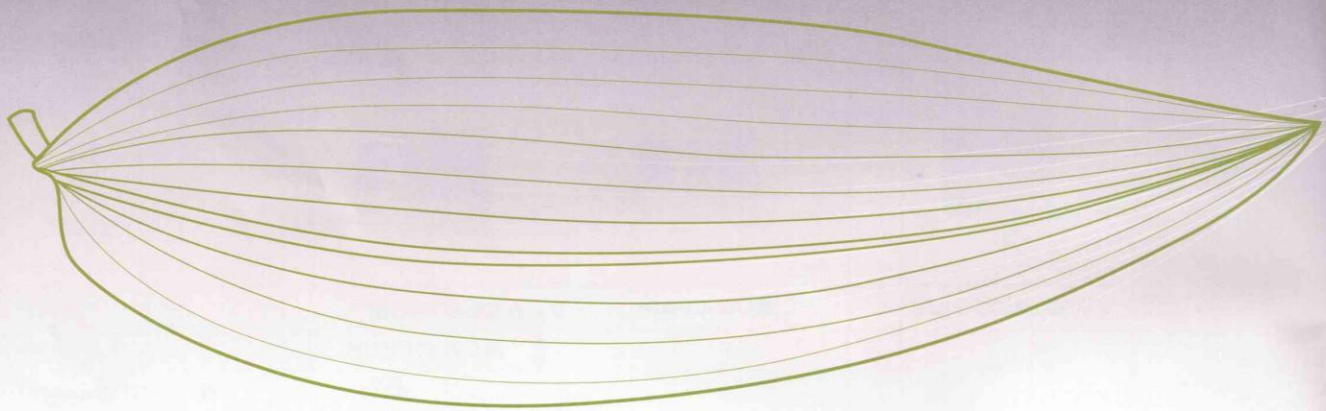
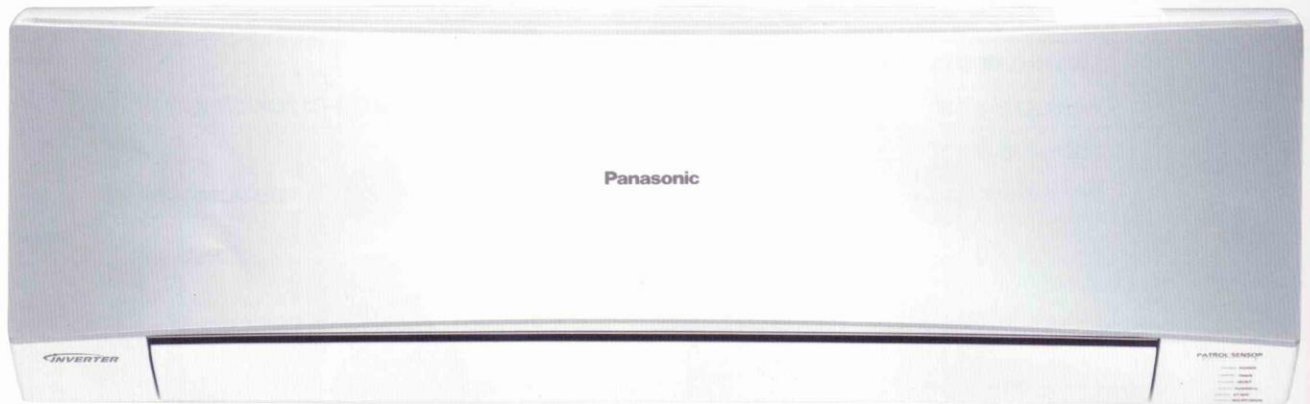
Deluxe Multi Split Type

		Wall-Mounted	
Indoor		Dual Split	Dual Split
		  P.24	  P.24
Capacity (Btu/h)	9,000	■ CS-C9GKZW / C14GKZW	
	12,000	■ CS-C12GKZW x 2	
Outdoor		 CU-2C23CKH	 CU-2C24CKH
Exclusive Features		e-ion Air Purifying System	Patrol Sensor

Window Type

		Deluxe New	Standard		New
		 P.25	 P.25	 P.25	 P.25
	Capacity (Btu/h)	9,000	■ CW-XC99JH	■ CW-C99JH	■ CW-C129VH
	12,000				■ CW-C249EH
	18,000				
	24,000				

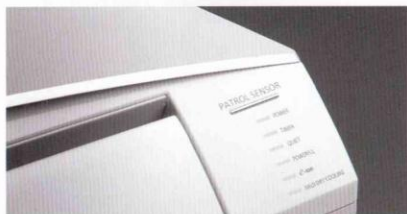
ECO-Inspired DESIGN



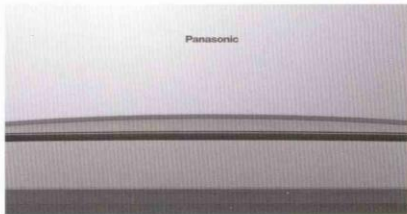
Panasonic's new air conditioners are built stylish with a distinct, eco-inspired design that complements today's modern interiors. Featuring Inverter technology, the new range offers greater savings while its advanced air purifying function assures clean, cool and healthy air.

Lemoncool 8222024

Cool, Stylish and Energy-Saving



Sensor colour changes to indicate the level of dirt in the air.



Unique curved form with a slightly protruding centre.



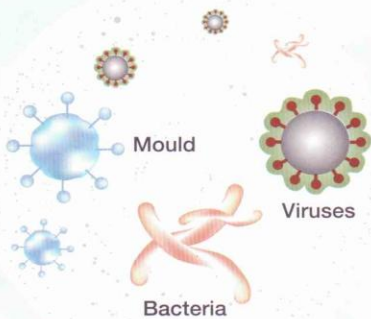
Sleek, sophisticated intake grille. The ideal addition to a stylish room.

**Air Purifying
Technology**

ADVANCED+PLUS

e-ion Air Purifying System with Newly-Designed Patrol Sensor

The air may look clean, but it could be filled with harmful particles.



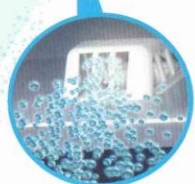
02 Catches & Deactivates

Lemoncool 8222024

01 Detects



03 Captures Electrically



3 trillion e-ions

Released e-ions catch dust particles and bring them back to the filter!

This is Panasonic's revolutionary mechanism

01 Detects

Newly-Designed Patrol Sensor

The Patrol Sensor monitors the air and informs you of the dirt level through colour indications. Air purifying starts as soon as dirt is detected.



02 Catches & Deactivates

e-ion Action

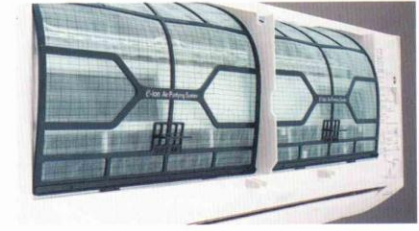
Three trillion e-ions are released to catch floating dust particles. The ions also deactivate bacteria, mould and viruses.



03 Captures Electrically

e-ion Filter

The positively-charged filter is designed to attract negatively-charged dust particles. This electrical action assures that dust is efficiently captured.

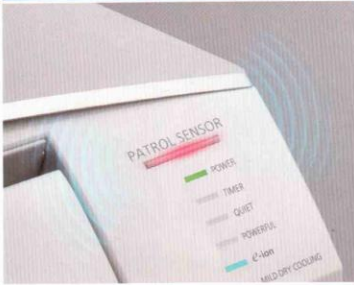


* 3 trillion is the simulated number of active e-ions under the mentioned conditions. Actual measured active e-ions at the centre of the room (1.3m³):100k/cc calculated number of active e-ions in the entire room assuming they are evenly distributed

Air Purifying Technology

Four Unique Features

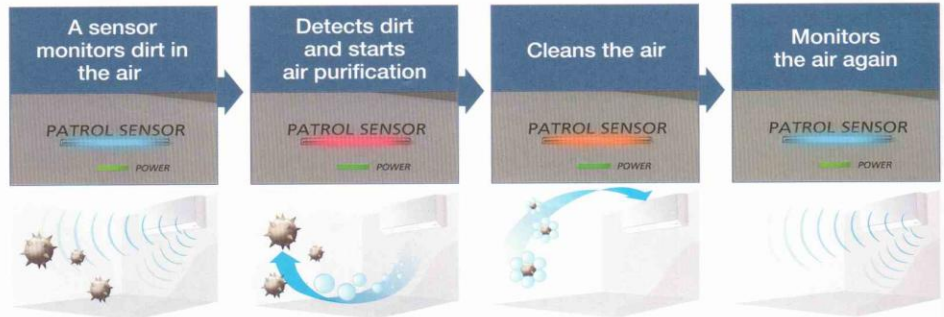
24-hour clean air 01



Newly-Designed Patrol Sensor

The sensor colour changes to indicate the level of dirt in the air.

The patrol sensor monitors microscopic dirt in the air and air purifying starts as soon as it is detected. The unit can be switched on separately as an air conditioner or as an advanced air purifier, or both.



This kind of dirt is detected



Hygienic 02



e-ion Action

Active e-ions deactivate more than 99% of airborne bacteria and mould to make them harmless.

Target substances



Deactivating mechanism

Active e-ions stick to the surface of bacteria.



OH radicals work on the cell wall.



The bacteria are deactivated.



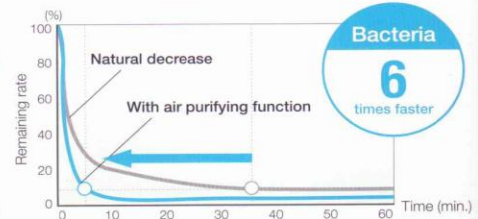
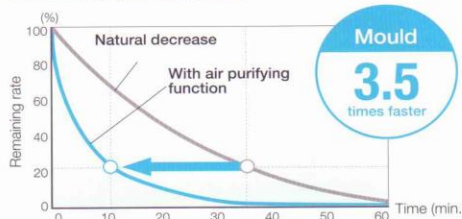
The same deactivating mechanism for mould and viruses. The illustration is a simulation

Deactivating effect



Without Active e-ion Active e-ion

Removal performance*1



* 99% deactivation was certified by:
 Certificated by Japan Food Research Laboratories
 • Test report number: No. 203010211-001 Bacteria: *Staphylococcus aureus subsp. aureus* (NBRC12732)
 • Test report number: No. 204101750-001 Virus: Influenza virus A

*1 Measurement conditions
 Certificated by Japan Food Research Laboratories
 Test report number: 304110078-001
 Test method: The e-ion Air Purifying System was operated in a test room (10m³) and changes in airborne mould and bacteria were measured by means of the Air Sampler Method (MAS100)

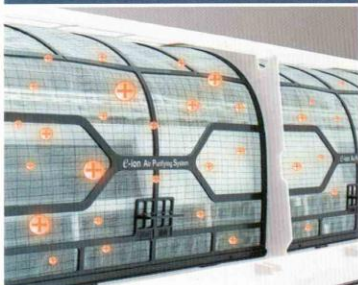
Faster Purification

03

Electric Charge Attraction

The positively-charged filter attracts negatively-charged dust particles, providing powerful air purification.

8 patents* applied for



Active e-ions catch dust particles.



Dust is negatively-charged.



The entire mega-sized filter is positively-charged to powerfully attract negatively-charged dust.



The illustration is a simulation.

■ A smoke collection test demonstrates an exceptional purifying performance

<p>Conventional Air Purifying</p>	<p>Start</p>	<p>3 min.</p>	<p>4 min.</p>	<p>5 min.</p>	<p>Dirt remains</p>
	<p>Smoke in the airflow is gradually drawn in</p>				<p>The smoke has almost disappeared</p>
<p>ADVANCED* PLUS e-ion Air Purifying System</p>	<p>Start</p>	<p>3 min.</p>	<p>4 min.</p>	<p>5 min.</p>	<p>About 5.8 times** more efficient</p>
<p>Smoke is rapidly and powerfully removed</p>					

* Panasonic has applied for 8 patents related to e-ion Air Purifying technology (As of September, 2008)

** After 5 cigarettes were smoked in a room (approximately 20m³), air conditioner operation was started and the decrease in particulate concentration was measured with a dust meter

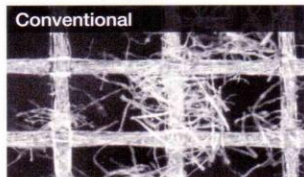
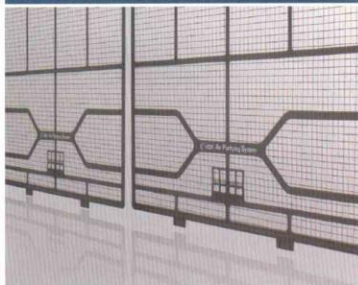
Effective Capture

04

Bigger, Finer e-ion Filter

A wider area and finer mesh enable the filter to firmly capture micro-level particles.

Panasonic Original



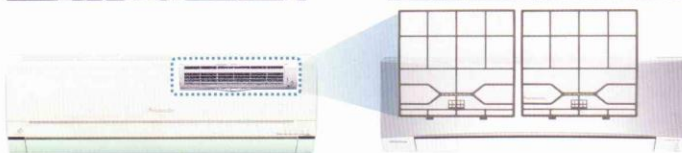
Conventional



e-ion Filter

50% finer

Also captures microscopic dust (100-1,000µm)



The filter covers the entire grille area

Product Line-up

Deluxe Multi Split Type

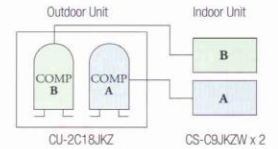
Dual Split Model



New



2-Compressor Dual Split Type



Two compressors independently drive two indoor units so there is no loss in capacity when both indoor units are operating.



CU-2C18JKZ

Blue Fin Condenser



Cooling Models

CS-C9JKZW x 2 (CU-2C18JKZ)

One-unit operation	Two-unit operation
8,320 Btu/h, EER: 10.8 2.44 kW (at 240V)	16,600 Btu/h, EER: 10.8 4.88 kW (at 240V)

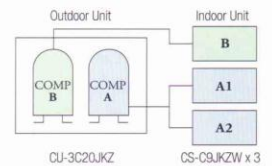
Triple Split Model



New



2-Compressor Triple Split Type



One compressor drives one indoor unit to cool one room, while another drives two indoor units to cool two rooms.



CU-3C20JKZ

Blue Fin Condenser



Cooling Models

CS-C9JKZW x 3 (CU-3C20JKZ)

One-unit operation B	One-unit operation A1 / A2	
8,180 Btu/h, EER: 10.0 2.40 kW (at 240V)	9,620 Btu/h, EER: 8.6 2.82 kW (at 240V)	
Two-unit operation B + A1 / A2	Two-unit operation A1 + A2	Three-unit operation B + A1 + A2
17,800 Btu/h, EER: 9.6 5.22 kW (at 240V)	12,300 Btu/h, EER: 10.2 3.60 kW (at 240V)	20,500 Btu/h, EER: 10.7 6.00 kW (at 240V)

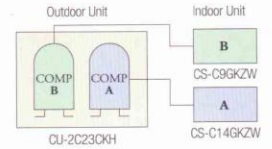
Product Line-up

Deluxe Multi Split Type

Dual Split Model



2-Compressor Dual Split Type



Two compressors independently drive two indoor units so there is no loss in capacity when both indoor units are operating.



Cooling Models

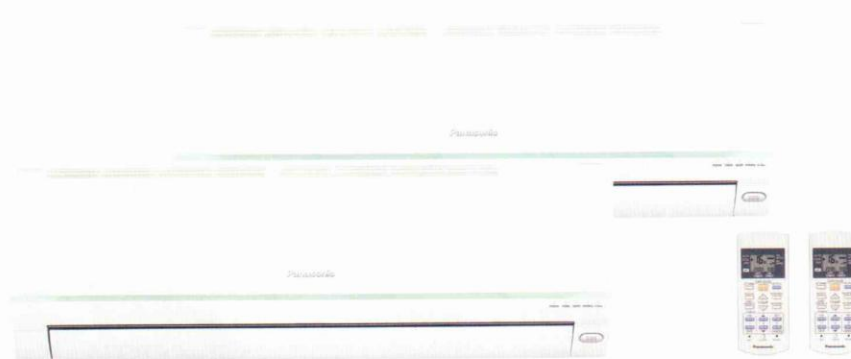
CS-C9GKZW + CS-C14GKZW (CU-2C23CKH)

One-unit operation CS-C9GKZW	One-unit operation CS-C14GKZW
9,000 Btu/h, EER: 10.8 2.64 kW (at 230V)	14,000 Btu/h, EER: 9.9 4.11 kW (at 230V)
Two-unit operation CS-C9GKZW + CS-C14GKZW	
23,000 Btu/h, EER: 10.0 6.75 kW (at 230V)	

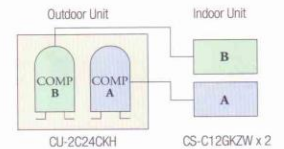
CU-2C23CKH



Dual Split Model



2-Compressor Dual Split Type



Two compressors independently drive two indoor units so there is no loss in capacity when both indoor units are operating.



Cooling Models

CS-C12GKZW x 2 (CU-2C24CKH)

One-unit operation	Two-unit operation
12,000 Btu/h, EER: 10.2 3.52 kW (at 230V)	24,000 Btu/h, EER: 10.2 7.03 kW (at 230V)

CU-2C24CKH

