

Panasonic

AIR CONDITIONER
2017/2018



ELITE INVERTER
SKY SERIES

#AIRTHATMOVESYOU

NEW PREMIUM INVERTER
AERO SERIES



- Please read the Installation Instructions carefully before installing the unit, and the Operating Instructions before using it.
- Specifications are subject to change without prior notice.
- The contents of this catalogue are accurate as of January 2017.
- Due to printing considerations, the actual colours may vary slightly from those shown.
- All graphics are provided merely for the purpose of illustrating a point.



Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the damage and deterioration in safety due to usage of other refrigerant.

SKYWING

AEROWINGS

INVERTER

nanoe-G
featuring DUST SENSOR

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THE PHILOSOPHY OF PANASONIC

At Panasonic, air conditioning is more than just about cool air. It is about how cool air is delivered to create a living space that brings you comfort when you need it most, takes care of your health and beautifies your homes and lives.



快
KAI

COMFORT

Essential air conditioner functions that cool you in a more natural way.

健
KEN

HEALTH

Clean and fresh air that improves your health and wellbeing.

美
BI

BEAUTY

Minimalist and modern air conditioners that beautify your home.

WHAT MOVES YOU?

Is it the uplifting feeling of a cool gentle breeze?
Or is it the exhilarating blast of cool air on a hot day?

Experience cooling comfort inspired by nature with
Panasonic SKY Series and AERO Series.

#AIRTHATMOVESYOU



For the perfect cooling experience,
Panasonic Air Conditioners are designed
to deliver comfort through Direct Cooling
and Indirect Cooling.

DIRECT COOLING

Cools you fast with powerful and concentrated cool air
at start up.

SKY Series



AERO Series



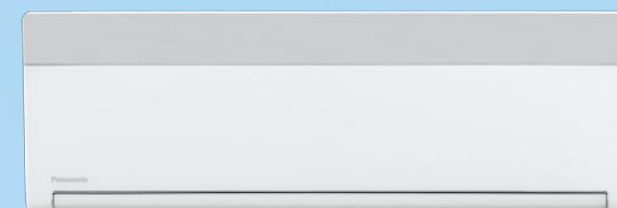
INDIRECT COOLING

Cools you gently after reaching the set temperature
by cooling your surroundings.

SKY Series



AERO Series



SKY SERIES



NEW
AERO SERIES



SKY STREAM DESIGN

The SKY STREAM design highlights modern and minimalist lines, making it a luxurious complement to designer interior.



MODERN & MINIMALIST LINES

- Sleek and striking design.
- Luxurious complement to designer interior.



SLIDING LED PANEL

- When switched on, the panel slides open to reveal its setting indicators.



BACKLIT SKY CONTROLLER

- Backlit LED Screen.
- Distinctive Sliding Cover.
- Precise Temperature Control - Adjustable at 0.5°C.

ELITE INVERTER SKY SERIES AIR CONDITIONER

SKYWING

SKYWING is an innovative top flap that can better direct cool air towards the ceiling. The cool air then naturally glides along the ceiling surface, spreading throughout the room and down the walls. Heat is removed from the ceiling and walls, resulting in a feeling of even, all-round coolness – RADIANT COOLING.

CONTROLLED BY A MULTIDIRECTIONAL ARM



SKYWING can cool you in two ways :

DIRECT COOLING

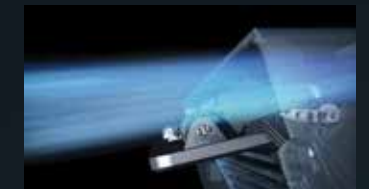


FAST COOLING

SKYWING angles downwards to deliver powerful airflow at start up.

Please refer to Pg10-11

INDIRECT COOLING



RADIANT COOLING

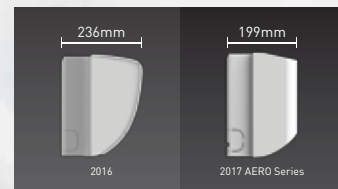
After reaching the set temperature, SKYWING angles upwards to direct cool air towards ceiling and walls, spreading cool air evenly throughout the room.

Please refer to Pg14-15



AERO SLIM DESIGN

The AERO SLIM design features sleek lines and graceful curves while the lustrous pearl finishing and chrome escutcheon exude a sense of luxury.



SLIM & SLEEK OUTLINE

- 37mm slimmer than previous models.



LUSTROUS PEARL FINISHING

- Classy tone with a soft, pearly glow.
- Chrome escutcheon with a sense of luxury.



AERO CONTROLLER

- Precise Temperature Control - Adjustable at 0.5°C.

NEW PREMIUM INVERTER AERO SERIES AIR CONDITIONER

AEROWINGS

AEROWINGS are flexible twin flaps that can direct and concentrate airflow to cool an area effectively. These flaps are able to channel and concentrate cool air upwards, which showers down over the room for gentle and even coolness – SHOWER COOLING.

AEROWINGS WITH FLEXIBLE TWIN FLAPS



AEROWINGS can cool you in two ways :

DIRECT COOLING



FAST COOLING

AEROWINGS twin flaps angle downwards to deliver concentrated airflow to cool you instantly at start up.



Please refer to Pg12-13

INDIRECT COOLING



SHOWER COOLING

AEROWINGS angles upwards to spread cool air over a wider area, then showers down gently and evenly across the room after reaching the set temperature.

Please refer to Pg16-17

DIRECT COOLING

CARES
FOR YOUR
ENJOYMENT

- Cools You Down Instantly At Start Up

ELITE INVERTER
SKY SERIES
AIR CONDITIONER

POWERFUL FAST COOLING

Feel The Thrilling Cool Wind

At start up, SKYWING tilts down to bring you powerful and direct airflow to cool down instantly. Together with the high-powered Inverter compressor technology, P-TECh, SKY Series can achieve the desired temperature in the shortest time possible.

How **DIRECT COOLING** works in SKY Series:

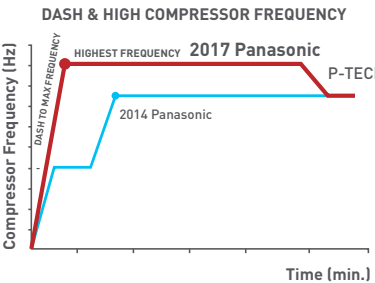


- 1 Powerful cool air is directed downwards at start up.
- 2 The steady airflow cools you down quickly.

P-TECh – THE POWER BEHIND FAST COOLING



P-TECh enables the compressor to achieve maximum frequency in the shortest time from start up, giving you powerful cooling the moment the air conditioner is switched on.



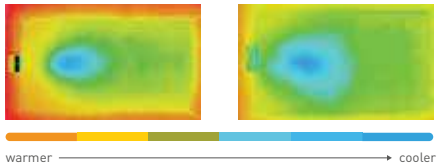
FAST COOLING AIRFLOW ASSESSMENT

AIRFLOW SMOKE TEST



SKYWING directs airflow downwards and straight to room occupants for a fast cooling effect.

TEMPERATURE DISTRIBUTION TEST



CONVENTIONAL COOLING

Cool air blows downwards and cools the room at a slow pace, resulting in uneven cooling. The edge of the room remains warm.

FAST COOLING

Powerful airflow cools rapidly. Room is evenly cooled.

DIRECT COOLING

CARES
FOR YOUR
ENJOYMENT

- Instant Relief From The Heat

NEW PREMIUM INVERTER
AERO SERIES
AIR CONDITIONER

POWERFUL FAST COOLING WITH CONCENTRATED AIRFLOW

Be Greeted With A Blast Of Cool Air

AEROWINGS with twin flaps direct airflow downwards, delivering concentrated cool air the moment you switch on the air conditioner.

How DIRECT COOLING works in AERO Series:

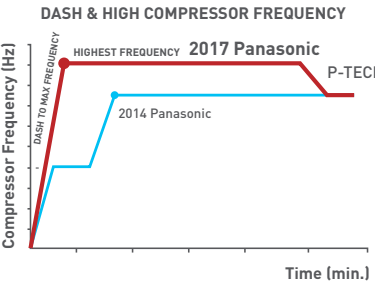


- 1 Concentrated cool air is delivered straight to you.
- 2 The steady airflow cools you down quickly.

P-TEch – THE POWER BEHIND FAST COOLING



P-TEch enables the compressor to achieve maximum frequency in the shortest time from start up, giving you powerful cooling the moment the air conditioner is switched on.



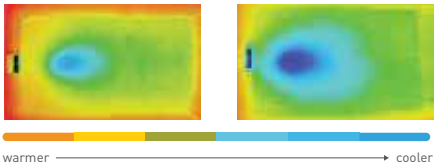
FAST COOLING AIRFLOW ASSESSMENT

AIRFLOW SMOKE TEST



AEROWINGS directs airflow downwards and straight to room occupants for a fast cooling effect.

TEMPERATURE DISTRIBUTION TEST



CONVENTIONAL COOLING

Cool air blows downwards and cools the room at a slow pace, resulting in uneven cooling. The edge of the room remains warm.

FAST COOLING

Concentrated airflow cools instantly. Room is evenly cooled.

INDIRECT COOLING

CARES FOR YOUR WELLNESS



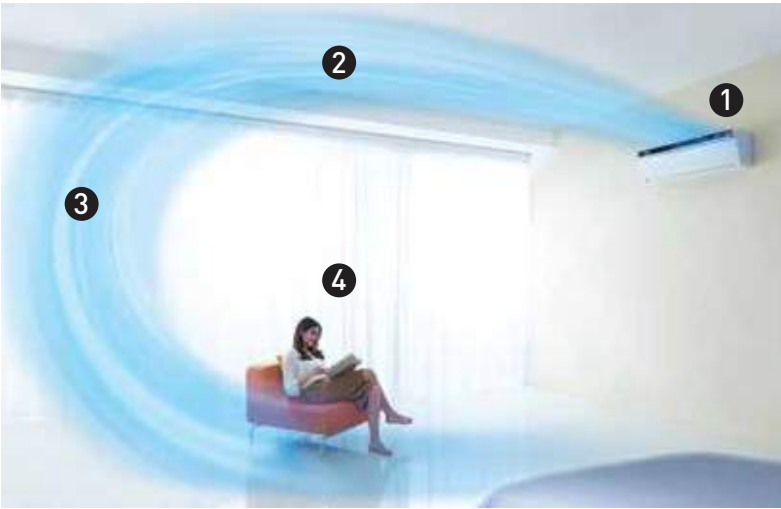
- Cooling Effect Inspired By Caves That Prevents Excessive Cooling
- Skin Stays Moist And Supple

RADIANT COOLING

Discover Natural All-Round Cooling

RADIANT COOLING is inspired by caves, where the cool surfaces create an all-round cooling effect. After reaching the set temperature, SKYWING angles upwards to direct airflow towards ceiling and walls to remove the heat trapped in these surfaces for an overall cool environment.

How RADIANT COOLING works:



- 1 Cool air is directed towards the ceiling.
- 2 Cool air spreads evenly throughout the room.
- 3 Heat trapped in ceiling and walls is removed.
- 4 Room is evenly cooled down.

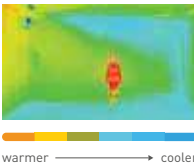
RADIANT COOLING AIRFLOW ASSESSMENT

AIRFLOW SMOKE TEST



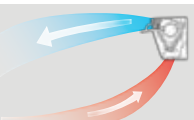
Instead of blowing cold air directly onto people, SKYWING directs the airflow upwards to cool the ceiling and walls.

TEMPERATURE DISTRIBUTION TEST



RADIANT COOLING
SKYWING directs cool air upwards, removing heat from ceiling and walls for an all-round cooling effect.

BOTTOM AIR INTAKE



Hot air is drawn in from the bottom, and cool air is discharged from the top to facilitate the even distribution of cool air.

INDIRECT COOLING

CARES
FOR YOUR
COMFORT

- Prevents Overcooling From Direct Airflow

NEW PREMIUM INVERTER
AERO SERIES
AIR CONDITIONER

SHOWER COOLING

Feel Gentle Cool Like Morning Dew

SHOWER COOLING is the feeling that gently washes over you like a cool morning. After reaching the set temperature, AEROWINGS directs airflow upwards to spread cool air evenly across the room, and showers down for endless comfort.

How **SHOWER COOLING** works:



- 1 Cool air is directed upwards.
- 2 Cool air spreads evenly and showers down.
- 3 Room is evenly cooled down.

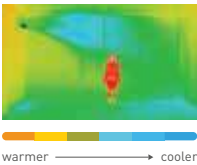
SHOWER COOLING AIRFLOW ASSESSMENT

AIRFLOW SMOKE TEST



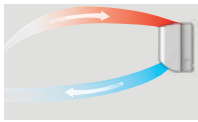
Instead of blowing cold air directly onto people, AEROWINGS directs airflow upwards over a wider area, then showers down gently and evenly across the room.

TEMPERATURE DISTRIBUTION TEST



SHOWER COOLING
AEROWINGS directs cool air further and higher towards the ceiling to avoid direct cooling.

TOP AIR INTAKE



Hot air is drawn in from the top, and cool air is discharged from the bottom to facilitate cool air showering down over the entire area.

AIR PURIFICATION SYSTEM

CARES FOR
YOUR
WELLBEING



- Fresher
And Cleaner Air

nanoe-G Breathe Fresh & Clean

For overall wellbeing, Panasonic Air Conditioners feature an advanced air purification system called nanoe-G, which releases active ions that attach to particles as small as PM2.5.

How nanoe-G works:



- 1**
REMOVES AIRBORNE PARTICLES
(Up to 99%^{*1*})

Removes airborne particles, even down to PM2.5^{*1}. These particles^{*2} include bacteria, viruses and mould.

^{*1} & ^{*2} Please refer to Pg36-37
- 2**
DEACTIVATES ADHESIVE PARTICLES & DEODORISES ADHESIVE ODOURS
(Up to 99%^{*3})

Deactivates adhesive micro-organisms and deodorises adhesive odours. Inhibits mould growth that settles on surfaces around you.

^{*3} Please refer to Pg38
- 3**
IN-FILTER DEACTIVATION
(Up to 99%^{*4})

Deactivates bacteria and viruses trapped in the filter.

^{*4} Please refer to Pg39

nanoe-G featuring DUST SENSOR

^{*}Only applicable to SKY Series.

SKY Series also features an additional DUST SENSOR, which constantly monitors air quality and automatically activates nanoe-G when a high level of particle concentration is detected.



ENERGY SAVINGS

Saves energy by alternating compressor speed.



CARES FOR YOUR PEACE OF MIND

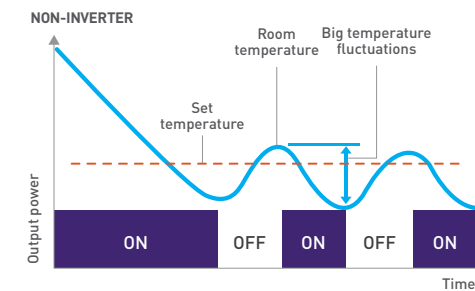


- Stay Comfortable While Saving Energy
- Precise Temperature Control
- Save on Electricity Bills



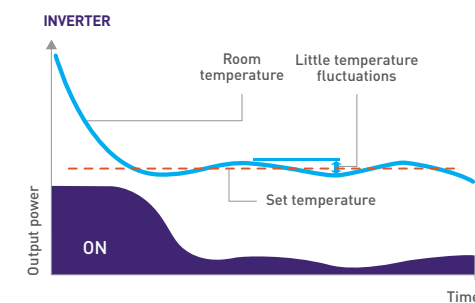
Precise Temperature Control

INVERTER prevents wasteful energy consumption by varying the compressor rotation speed to maintain the set temperature.



Legend: ■ Output Power — Temperature

Remark: Energy is wasted by switching the compressor ON and OFF to maintain the set temperature.



Legend: ■ Output Power — Temperature

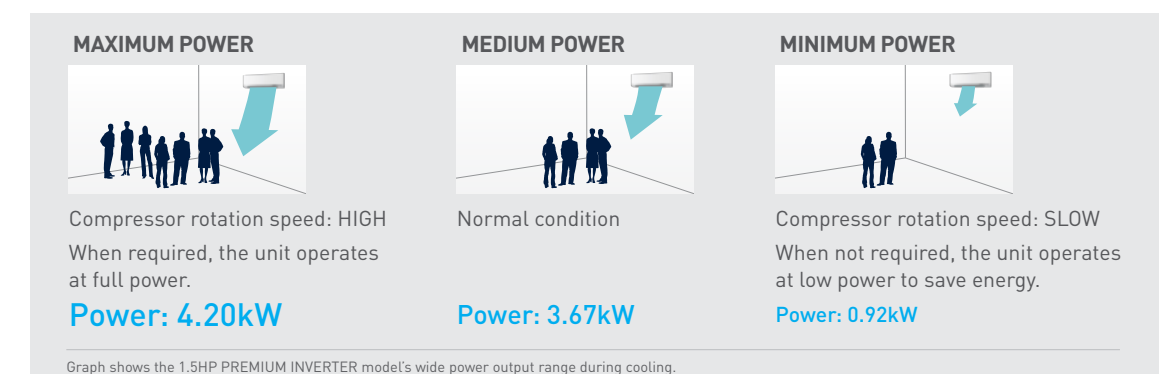
Remark: Saves energy by varying the rotation speed of the compressor to maintain the set temperature.

A conventional non-INVERTER air conditioner can only operate at a constant speed which is too powerful to maintain the set temperature. Thus, it switches the compressor on and off repeatedly. This results in wider temperature fluctuations leading to wasteful consumption of energy.

The Panasonic INVERTER air conditioner varies the rotation speed of the compressor, providing a precise method of maintaining the set temperature. Thus, Panasonic INVERTER air conditioners give you exceptional energy saving performance while ensuring you stay comfortable at all times.

Constant Comfort

Precise temperature control with a wide power output range enables an INVERTER air conditioner to meet different room occupancy levels – thus ensuring constant comfort.



WALL-MOUNTED : *ELITE INVERTER* Single-Split Type



CS-VU10SKP | CS-VU13SKP | CS-VU18SKP



Wireless



Wired (Optional)

SPECIFICATIONS

MODEL		(50Hz)	CS-VU10SKP [CU-VU10SKP]	CS-VU13SKP [CU-VU13SKP]	CS-VU18SKP [CU-VU18SKP]
Cooling Capacity	(min-max)	kW	2.55 [0.84-3.20]	3.40 [1.02-4.20]	5.20 [1.10-5.80]
	(min-max)	Btu/h	8,700 [2,860-10,900]	11,600 [3,480-14,300]	17,700 [3,750-19,800]
EER	(min-max)	Btu/hW	13.81 [12.71-12.39]	14.15 [12.21-12.43]	12.21 [12.93-11.86]
Electrical Data	Voltage	V	220 - 240		
	Current	A	3.1 - 2.9	4.0 - 3.7	7.0 - 6.4
	Power Input (min-max)	W	630 [225-880]	820 [285-1,150]	1,450 [290-1,670]
Moisture Removal		L/h	1.6	2.0	2.9
		[Pt/h]	3.4	4.2	6.1
Air Circulation	Indoor	m³/min [ft³/min]	10.5 [370]	12.0 [425]	13.4 [475]
	Outdoor	m³/min [ft³/min]	21.6 [760] - 24.9 [880]	29.0 [1,020] - 30.4 [1,070]	34.9 [1,230] - 34.9 [1,230]
Noise Level	Indoor [H / L / Q-Lo]	dB [A]	36/25/18 - 36/25/18	41/27/19 - 41/27/19	46/36/33 - 46/36/33
	Outdoor [H / L]	dB [A]	[47] - [48]	[48] - [49]	[49] - [49]
Dimensions	Height	mm	318 [511]	318 [542]	318 [619]
		inch	12-17/32 [20-1/8]	12-17/32 [21-11/32]	12-17/32 [24-3/8]
	Width	mm	950 [650]	950 [780]	950 [824]
		inch	37-13/32 [25-19/32]	37-13/32 [30-23/32]	37-13/32 [32-15/32]
	Depth	mm	280 [230]	280 [289]	280 [299]
		inch	11-1/32 [9-1/16]	11-1/32 [11-13/32]	11-1/32 [11-25/32]
Net Weight	Indoor	kg [lb]	13 [29]	13 [29]	13 [29]
	Outdoor	kg [lb]	21 [46]	29 [64]	33 [73]
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35		
		inch	1/4		
	Gas Side	mm	ø 9.52	ø 12.70	
		inch	3/8	1/2	
Pipe Extension	Chargeless Pipe Length	m	7.5		10
	Maximum Pipe Length	m	20		30
	Maximum Elevation Length	m	15		20
	Additional Refrigerant Gas*	g/m	10		15
Power Supply			Indoor		

Caution For CS-VU10/VU13/VU18SKP [Important] Please do not use copper pipes that are less than 0.6mm in thickness.
*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

BACKLIT SKY CONTROLLER

Enjoy innovative design at your fingertips with the new stylish and sleek Backlit Sky Controller.

With fast access to key operations and a smooth gliding cover revealing more options, controlling your settings has become simple and intuitive.

With a width of 58.9mm and a length of 164.7mm, the Sky Controller fits comfortably into your hand.



- 1 Backlit LED screen lets you view operations status in the dark.
- 2 Power Button.
- 3 iCOMFORT lets you come home to fast cooling. Then enjoy continuous comfort with RADIANT COOLING which avoids direct cooling.
*The term "RADIANT" was replaced based on running change effective for new 2017 production.
- 4 Press up or down to set the temperature.
- 5 Toggles between RADIANT COOLING (INDIRECT) and Fast Cooling (DIRECT).
- 6 Activates the nanoe-G even when the air conditioner is switched off.
- 7 Set the airflow.
- 8 Adjusts the fan speed.
- 9 Toggles between COOL and DRY setting mode.
- 10 Delays off timer with temperature control for better sleep.
- 11 Set the 24-hour ON & OFF Timer or 24-hour Dual ON & OFF Timer.
- 12 Set the actual time [hour and minute].



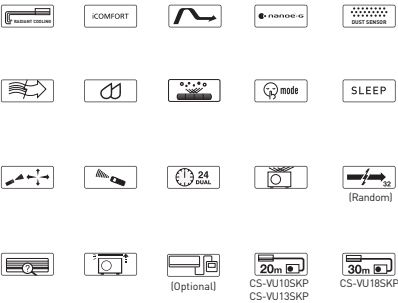
Wireless
Applicable to ELITE Inverter

SKYWING



XTRA QUIET18dB
(CS-VU10SKP)

COOLING MODELS



OUTDOOR



CU-VU10SKP



CU-VU13SKP



CU-VU18SKP

WALL-MOUNTED : PREMIUM *INVERTER* Single-Split Type



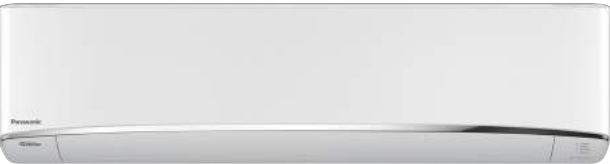
CS-U10TKP | CS-U13TKP



Wireless



Wired (Optional)



CS-U18TKP | CS-U24TKP



Wireless



Wired (Optional)

SPECIFICATIONS

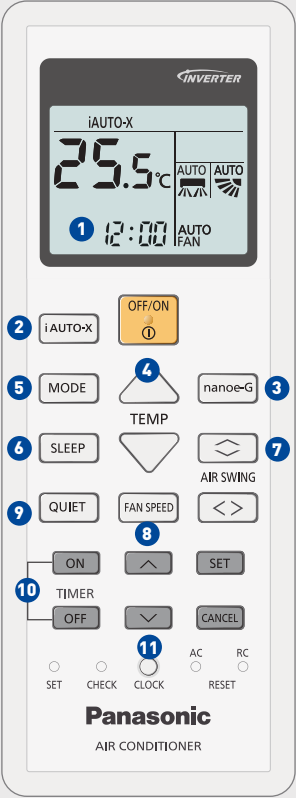
MODEL		(50Hz)	CS-U10TKP [CU-U10TKP]	CS-U13TKP [CU-U13TKP]	CS-U18TKP [CU-U18TKP]	CS-U24TKP [CU-U24TKP]
Cooling Capacity	(min-max)	kW	2.85 [0.84-3.28]	3.67 [0.92-4.20]	5.30 [1.10-6.00]	6.25 [1.12-7.10]
	(min-max)	Btu/h	9,720 [2,860-11,200]	12,500 [3,140-14,300]	18,100 [3,750-20,500]	21,300 [3,820-24,200]
EER	(min-max)	Btu/hW	13.32 [12.71-12.17]	12.50 [12.08-11.92]	12.84 [12.93-12.06]	11.77 [11.94-11.00]
Electrical Data	Voltage	V	220			
	Current	A	3.6	5.0	6.9	8.5
	Power Input (min-max)	W	730 [225-920]	1,000 [260-1,200]	1,410 [290-1,700]	1,810 [320-2,200]
Moisture Removal		L/h	1.7	2.1	2.9	3.5
		(Pt/h)	3.6	4.4	6.1	7.4
Air Circulation	Indoor	m³/min [ft³/min]	10.2 [360]	10.8 [380]	19.6 [690]	20.2 [715]
	Outdoor	m³/min [ft³/min]	26.5 [940]	30.6 [1,080]	35.0 [1,235]	47.0 [1,660]
Noise Level	Indoor (H / L / Q-Lo)	dB [A]	36/26/23	38/28/25	44/32/29	45/34/31
	Outdoor (H / L)	dB [A]	46	47	49	51
Dimensions	Height	mm	295 [511]	295 [542]	302 [619]	302 [695]
		inch	11-5/8 [20-1/8]	11-5/8 [21-11/32]	11-29/32 [24-3/8]	11-29/32 [27-3/8]
	Width	mm	919 [650]	919 [780]	1,120 [824]	1,120 [875]
		inch	36-3/16 [25-19/32]	36-3/16 [30-23/32]	44-1/8 [32-15/32]	44-1/8 [34-15/32]
	Depth	mm	199 [230]	199 [289]	241 [299]	241 [320]
		inch	7-27/32 [9-1/16]	7-27/32 [11-13/32]	9-1/2 [11-25/32]	9-1/2 [12-5/8]
Net Weight	Indoor	kg [lb]	9 [20]	9 [20]	12 [26]	12 [26]
	Outdoor	kg [lb]	20 [44]	27 [60]	35 [77]	40 [88]
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35			
		inch	1/4			
	Gas Side	mm	ø 9.52	ø 12.70		ø 15.88
		inch	3/8	1/2		5/8
Pipe Extension	Chargeless Pipe Length	m	7.5		10	
	Maximum Pipe Length	m	20		30	
	Maximum Elevation Length	m	15		20	
	Additional Refrigerant Gas*	g/m	10		15	25
Power Supply			Indoor			

Caution For CS-U10/U13/U18/U24TKP (Important) Please do not use copper pipes that are less than 0.6mm in thickness.
*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

EASY-TO-USE REMOTE CONTROLLER

Panasonic’s wireless remote controller features a large Liquid Crystal Display (LCD) panel which makes it even more user-friendly. So you can sit back and enjoy easy operation and long-lasting comfort from your Panasonic Air Conditioner.

- 1 LCD display for an easy overview of the operation status.
- 2 Come home to fast cooling. Then enjoy continuous comfort with Shower Cooling which avoids direct cooling.
- 3 Activates the nanoe-G function even when the air conditioner is switched off.
- 4 Press up or down to set the temperature.
- 5 Toggles between iAUTO-X, COOL and DRY setting mode.
- 6 Delays off timer with temperature control for better sleep.
- 7 Set the airflow.
- 8 Adjusts the fan speed.
- 9 Quiet function allows you to sleep comfortably at night.
- 10 Set the 24-hour ON & OFF Timer or 24-hour Dual ON & OFF Timer.
- 11 Set the actual time (hour and minute).



Wireless
Applicable to PREMIUM Inverter

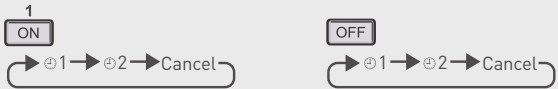
DUAL TIMER



DUAL TIMER FOR 2 ON AND OFF TIMES PER DAY

For convenience, the dual timer repeats everyday until you cancel it.

Select ON or OFF Timer



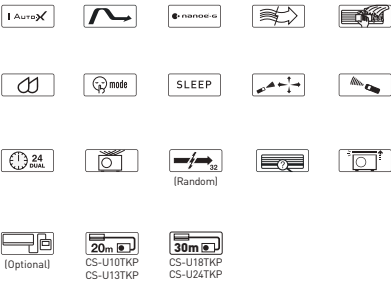
Set the time.



AEROWINGS



COOLING MODELS



OUTDOOR



CU-U10TKP



CU-U13TKP



CU-U18TKP



CU-U24TKP

WALL-MOUNTED : STANDARD  Single-Split Type



CS-PU9TKP | CS-PU12TKP



Wireless



Wired (Optional)



CS-PU18TKP | CS-PU24TKP



Wireless



Wired (Optional)

SPECIFICATIONS

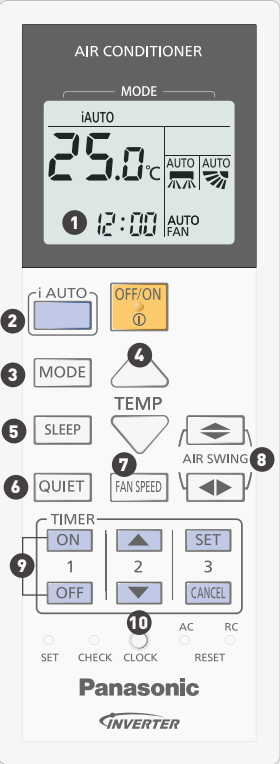
MODEL		[50Hz]	CS-PU9TKP [CU-PU9TKP]	CS-PU12TKP [CU-PU12TKP]	CS-PU18TKP [CU-PU18TKP]	CS-PU24TKP [CU-PU24TKP]
Cooling Capacity	(min-max)	kW	2.50 [0.84 - 2.73]	3.50 [0.92 - 4.00]	5.20 [1.10 - 5.80]	6.10 [1.12 - 6.90]
	(min-max)	Btu/h	8,530 [2,860 - 9,310]	11,900 [3,140 - 13,600]	17,700 [3,750 - 19,800]	20,800 [3,820 - 23,500]
EER	(min-max)	Btu/hW	12.36 [12.17 - 11.22]	12.02 [11.63 - 11.33]	12.29 [12.50 - 11.58]	11.95 [11.58 - 10.68]
Electrical Data	Voltage	V	220			
	Current	A	3.4	4.8	6.9	8.3
	Power Input (min-max)	W	690 [235 - 830]	990 [270 - 1,200]	1,440 [300 - 1,710]	1,740 [330 - 2,200]
Moisture Removal	L/h		1.5	2.0	2.9	3.4
	[Pt/h]		3.2	4.2	6.1	7.2
Air Circulation	Indoor	m³/min (ft³/min)	9.9	10.9	17.7	18.1
	Outdoor	m³/min (ft³/min)	350	385	625	640
Noise Level	Indoor [H / L / Q-Lo]	dB [A]	36/26/23	38/28/25	44/32/29	45/36/31
	Outdoor [H / L]	dB [A]	46	47	49	51
Dimensions	Height	mm	296 [511]	296 [542]	296 [619]	296 [695]
		inch	11-21/32 [20-1/8]	11-21/32 [21-11/32]	11-21/32 [24-3/8]	11-21/32 [27-3/8]
	Width	mm	870 [650]	870 [780]	1,070 [824]	1,070 [875]
		inch	34-9/32 [25-19/32]	34-9/32 [30-23/32]	42-5/32 [32-15/32]	42-5/32 [34-15/32]
	Depth	mm	236 [230]	236 [289]	241 [299]	241 [320]
		inch	9-5/16 [9-1/16]	9-5/16 [11-13/32]	9-1/2 [11-25/32]	9-1/2 [12-5/8]
Net Weight	Indoor	kg (lb)	9 [20]	9 [20]	12 [26]	12 [26]
	Outdoor	kg (lb)	20 [44]	27 [60]	33 [73]	46 [101]
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35			
		inch	1/4			
	Gas Side	mm	ø 9.52	ø 12.70	ø 15.88	
Pipe Extension	Chargeless Pipe Length	m	7.5		10	
	Maximum Pipe Length	m	20		30	20
	Maximum Elevation Length	m	15		20	
	Additional Refrigerant Gas*	g/m	10		15	25
Power Supply		Indoor				

Caution For CS-PU9/PU12/PU18/PU24TKP (Important) Please do not use copper pipes that are less than 0.6mm in thickness.
*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

EASY-TO-USE REMOTE CONTROLLER

Panasonic’s wireless remote controller features a large Liquid Crystal Display (LCD) panel which makes it even more user-friendly. So you can sit back and enjoy easy operation and long-lasting comfort from your Panasonic Air Conditioner.

- 1 LCD display for an easy overview of the operation status.
- 2 Come home to fast cooling. Then enjoy continuous comfort with Shower Cooling which avoids direct cooling.
- 3 Toggles between iAUTO, COOL and DRY setting mode.
- 4 Press up or down to set the temperature.
- 5 Delays off timer with temperature control for better sleep.
- 6 Quiet function allows you to sleep comfortably at night.
- 7 Adjusts the fan speed.
- 8 Set the airflow.
- 9 Set the 24-hour ON & OFF Timer or 24-hour Dual ON & OFF Timer.
- 10 Set the actual time (hour and minute).

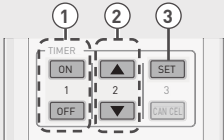


Wireless
Applicable to CS-PU18/24TKP



TO SET THE TIMER

To turn the unit ON or OFF at a preset time.



Select ON or OFF Timer

Example:
OFF at 22:00

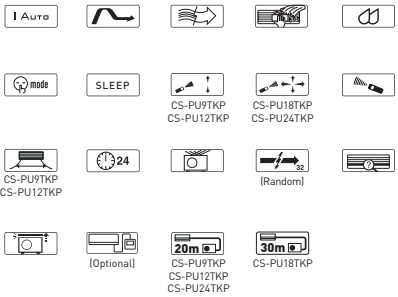
Set the time.

Confirm.

AEROWINGS



COOLING MODELS



OUTDOOR



CU-PU9TKP



CU-PU12TKP



CU-PU18TKP



CU-PU24TKP

PRODUCT LINE-UP

WALL-MOUNTED : DELUXE Low Watt Single-Split Type



COOLING MODELS

CS-XN5SKJ | CS-XN7SKJ | CS-XN9SKJ

SPECIFICATIONS

MODEL		(50Hz)	CS-XN5SKJ [CU-XN5SKJ]	CS-XN7SKJ [CU-XN7SKJ]	CS-XN9SKJ [CU-XN9SKJ]
Cooling Capacity	[min-max]	kW			
	[min-max]	Btu/h			
EER	[min-max]	Btu/hW			
Electrical Data	Voltage	V			
	Current	A			
	Power Input (min-max)	W			
Moisture Removal		L/h			
		(Pt/h)			
Air Circulation	Indoor	m³/min (ft³/min)			
	Outdoor	m³/min (ft³/min)			
Noise Level	Indoor (H / L / Q-Lo)	dB (A)			
	Outdoor (H / L)	dB (A)			
Dimensions	Height	mm			
		inch			
	Width	mm			
		inch			
	Depth	mm			
		inch			
Net Weight	Indoor	kg (lb)			
	Outdoor	kg (lb)			
Refrigerant Pipe Diameter	Liquid Side	mm			
		inch			
	Gas Side	mm			
		inch			
Pipe Extension	Chargeless Pipe Length	m			
	Maximum Pipe Length	m			
	Maximum Elevation Length	m			
	Additional Refrigerant Gas*	g/m			
Power Supply					

OUTDOOR

PRODUCT LINE-UP

WALL-MOUNTED : Low Watt Single-Split Type



COOLING MODELS

CS-KN5SKJ | CS-KN7SKJ | CS-KN9SKJ

SPECIFICATIONS

MODEL		(50Hz)	CS-KN5SKJ [CU-KN5SKJ]	CS-KN7SKJ [CU-KN7SKJ]	CS-KN9SKJ [CU-KN9SKJ]
Cooling Capacity	[min-max]	kW			
	[min-max]	Btu/h			
EER	[min-max]	Btu/hW			
Electrical Data	Voltage	V			
	Current	A			
	Power Input (min-max)	W			
Moisture Removal		L/h			
		(Pt/h)			
Air Circulation	Indoor	m³/min (ft³/min)			
	Outdoor	m³/min (ft³/min)			
Noise Level	Indoor (H / L / Q-Lo)	dB (A)			
	Outdoor (H / L)	dB (A)			
Dimensions	Height	mm			
		inch			
	Width	mm			
		inch			
	Depth	mm			
		inch			
Net Weight	Indoor	kg (lb)			
	Outdoor	kg (lb)			
Refrigerant Pipe Diameter	Liquid Side	mm			
		inch			
	Gas Side	mm			
		inch			
Pipe Extension	Chargeless Pipe Length	m			
	Maximum Pipe Length	m			
	Maximum Elevation Length	m			
	Additional Refrigerant Gas*	g/m			
Power Supply					

OUTDOOR

PRODUCT LINE-UP

WALL-MOUNTED : STANDARD Non-Inverter Single-Split Type



CS-PN5SKJ | CS-PN7SKJ | CS-PN9SKJ | CS-PN12SKJ

COOLING MODELS

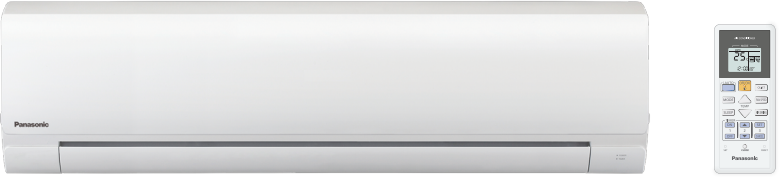
SPECIFICATIONS

			Cooling []: Outdoor Unit			
MODEL		[60Hz]	CS-PN5SKJ [CU-PN5SKJ]	CS-PN7SKJ [CU-PN7SKJ]	CS-PN9SKJ [CU-PN9SKJ]	CS-PN12SKJ [CU-PN12SKJ]
Cooling Capacity	[min-max]	kW				
	[min-max]	Btu/h				
EER	[min-max]	Btu/hW				
Electrical Data	Voltage	V				
	Current	A				
	Power Input (min-max)	W				
Moisture Removal		L/h				
		(Pt/h)				
Air Circulation	Indoor	m³/min (ft³/min)				
	Outdoor	m³/min (ft³/min)				
Noise Level	Indoor (H / L / Q-Lo)	dB (A)				
	Outdoor (H / L)	dB (A)				
Dimensions	Height	mm				
		inch				
	Width	mm				
		inch				
	Depth	mm				
		inch				
Net Weight	Indoor	kg (lb)				
	Outdoor	kg (lb)				
Refrigerant Pipe Diameter	Liquid Side	mm				
		inch				
	Gas Side	mm				
		inch				
Pipe Extension	Chargeless Pipe Length	m				
	Maximum Pipe Length	m				
	Maximum Elevation Length	m				
	Additional Refrigerant Gas*	g/m				
Power Supply						

OUTDOOR

PRODUCT LINE-UP

WALL-MOUNTED : STANDARD Non-Inverter Single-Split Type

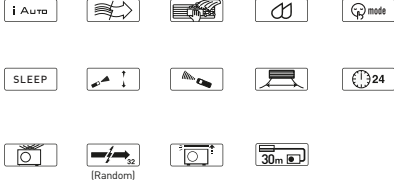


CS-PN18SKP | CS-PN24SKP

Wireless



COOLING MODELS



SPECIFICATIONS

			Cooling []: Outdoor Unit	
MODEL		[50Hz]	CS-PN18SKP [CU-PN18SKP]	CS-PN24SKP [CU-PN24SKP]
Cooling Capacity	[min-max]	kW	5.28	6.80
	[min-max]	Btu/h	18,000	23,200
EER	[min-max]	Btu/hW	10.84	10.84
Electrical Data	Voltage	V	220	220
	Current	A	7.7	9.8
	Power Input (min-max)	W	1,660	2,140
Moisture Removal		L/h	2.9	3.9
		(Pt/h)	6.1	8.2
Air Circulation	Indoor	m³/min (ft³/min)	16.4	18.7
	Outdoor	m³/min (ft³/min)	579	660
Noise Level	Indoor (H / L / Q-Lo)	dB (A)	45/39	49/42
	Outdoor (H/ L)	dB (A)	54	56
Dimensions	Height	mm	290 (619)	
		inch	11-7/16 (24-3/8)	
	Width	mm	1,070 (824)	
		inch	42-5/32 (32-15/32)	
	Depth	mm	240 (299)	
		inch	9-15/32 (11-25/32)	
Net Weight	Indoor	kg (lb)	12 (26)	12 (26)
	Outdoor	kg (lb)	37 (82)	40 (88)
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35
		inch	1/4	1/4
	Gas Side	mm	ø 12.70	ø 15.88
		inch	1/2	5/8
Pipe Extension	Chargeless Pipe Length	m	7.5	
	Maximum Pipe Length	m	30	
	Maximum Elevation Length	m	20	
	Additional Refrigerant Gas*	g/m	15	25
Power Supply			Indoor	

Caution For CS-PN18/PN24SKP [Important] Please do not use copper pipes that are less than 0.6mm in thickness.
*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

OUTDOOR



PRODUCT LINE-UP

WALL-MOUNTED : STANDARD Non-Inverter Single-Split Type



COOLING MODELS

CS-YN5SKJ | CS-YN7SKJ | CS-YN9SKJ

SPECIFICATIONS

MODEL		(50Hz)	CS-YN5SKJ [CU-YN5SKJ]	CS-YN7SKJ [CU-YN7SKJ]	CS-YN9SKJ [CU-YN9SKJ]
Cooling Capacity	(min-max)	kW			
	(min-max)	Btu/h			
EER	(min-max)	Btu/hW			
Electrical Data	Voltage	V			
	Current	A			
	Power Input (min-max)	W			
Moisture Removal		L/h			
		(Pt/h)			
Air Circulation	Indoor	m³/min (ft³/min)			
	Outdoor	m³/min (ft³/min)			
Noise Level	Indoor (H / L / Q-Lo)	dB (A)			
	Outdoor (H / L)	dB (A)			
Dimensions	Height	mm			
		inch			
	Width	mm			
		inch			
	Depth	mm			
		inch			
Net Weight	Indoor	kg (lb)			
	Outdoor	kg (lb)			
Refrigerant Pipe Diameter	Liquid Side	mm			
		inch			
	Gas Side	mm			
Pipe Extension		inch			
	Chargeless Pipe Length	m			
	Maximum Pipe Length	m			
	Maximum Elevation Length	m			
Power Supply	Additional Refrigerant Gas*	g/m			

OUTDOOR

PRODUCT LINE-UP

WALL-MOUNTED : Low Voltage Single-Split Type



COOLING MODELS

CS-UV5SKP | CS-UV9SKP

SPECIFICATIONS

MODEL		(50Hz)	CS-UV5SKP [CU-UV5SKP]	CS-UV9SKP [CU-UV9SKP]
Cooling Capacity	(min-max)	kW		
	(min-max)	Btu/h		
EER	(min-max)	Btu/hW		
Electrical Data	Voltage	V		
	Current	A		
	Power Input (min-max)	W		
Moisture Removal		L/h		
		(Pt/h)		
Air Circulation	Indoor	m³/min (ft³/min)		
	Outdoor	m³/min (ft³/min)		
Noise Level	Indoor (H / L / Q-Lo)	dB (A)		
	Outdoor (H / L)	dB (A)		
Dimensions	Height	mm		
		inch		
	Width	mm		
		inch		
	Depth	mm		
		inch		
Net Weight	Indoor	kg (lb)		
	Outdoor	kg (lb)		
Refrigerant Pipe Diameter	Liquid Side	mm		
		inch		
	Gas Side	mm		
Pipe Extension		inch		
	Chargeless Pipe Length	m		
	Maximum Pipe Length	m		
	Maximum Elevation Length	m		
Power Supply	Additional Refrigerant Gas*	g/m		

OUTDOOR

RADIANT COOLING FOR USERS' COMFORT COOLING

Conventional air conditioners are built to blow cold air downwards and directly at people to cool them instantly. However, when in direct contact with cold air for too long, some people experience discomfort and dry skin.

Inspired by the cooling effect of caves, Doctor Naoshi Kakitsuba investigated the benefits of RADIANT COOLING. He found that this gentler and more even cooling method results in a greater feeling of comfort and wellbeing.



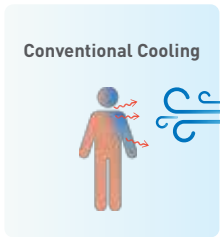
DR NAOSHI KAKITSUBA

DEPT. OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, MEIJO UNIVERSITY JAPAN



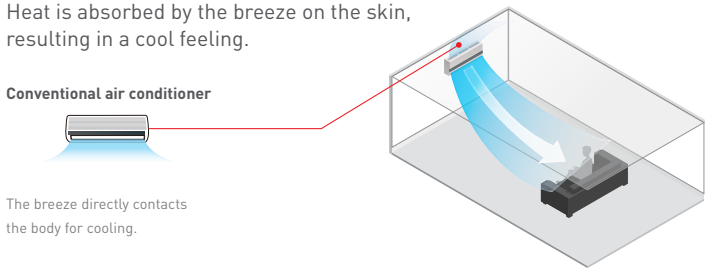
THE PRINCIPLE OF RADIANT COOLING

Conventional Cooling

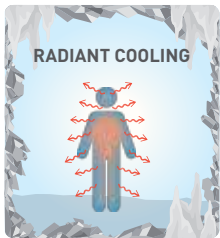


Heat is absorbed by the breeze on the skin, resulting in a cool feeling.

Conventional air conditioner

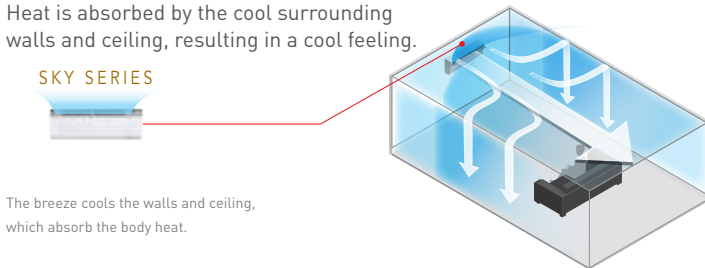



RADIANT COOLING




Heat is absorbed by the cool surrounding walls and ceiling, resulting in a cool feeling.

SKY SERIES






Conventional air conditioner




SKY SERIES



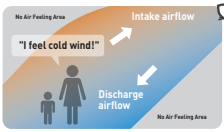
COOLS GENTLY AND EVENLY

The SKY Series makes the room evenly cool, even though no airflow feeling. The cooling system of SKY Series gives comfort based on the principle of RADIANT COOLING.


Temperature distribution



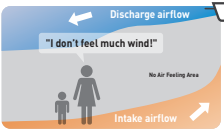
Air velocity distribution




Temperature distribution



Air velocity distribution



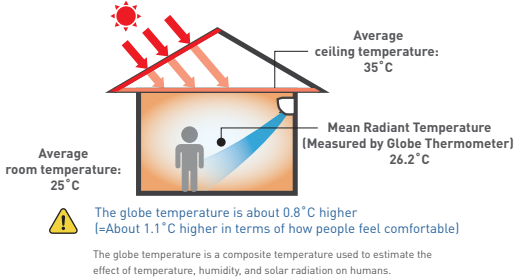
Test conditions: Measured in stable operation at 25°C cooling with fan speed set at "HI."

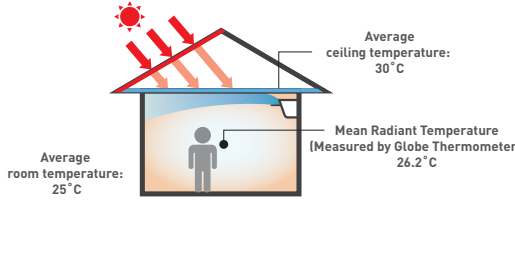


RADIANT COOLING REMOVES HEAT FROM CEILING AND WALLS

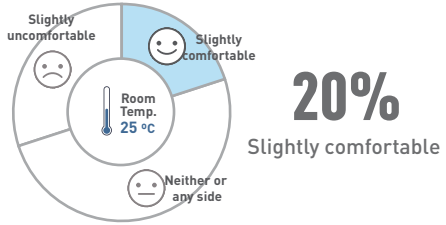
SKY Series makes people comfortable because the radiant heat from ceiling is less.

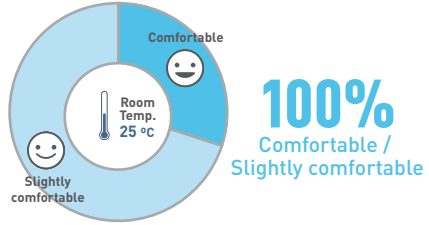
Radiant heat from roof top and ceiling






Sensation evaluation



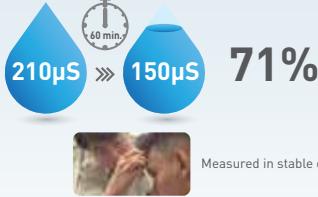


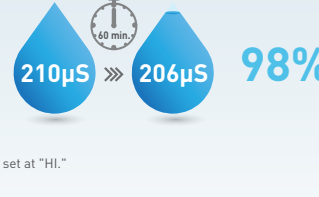


THE BENEFITS OF RADIANT COOLING

SKYWING angles upwards to cool without direct airflow, thus PREVENTING OVERCOOLING AND MAINTAINS SKIN MOISTURE.

Skin moisture after 60 minutes



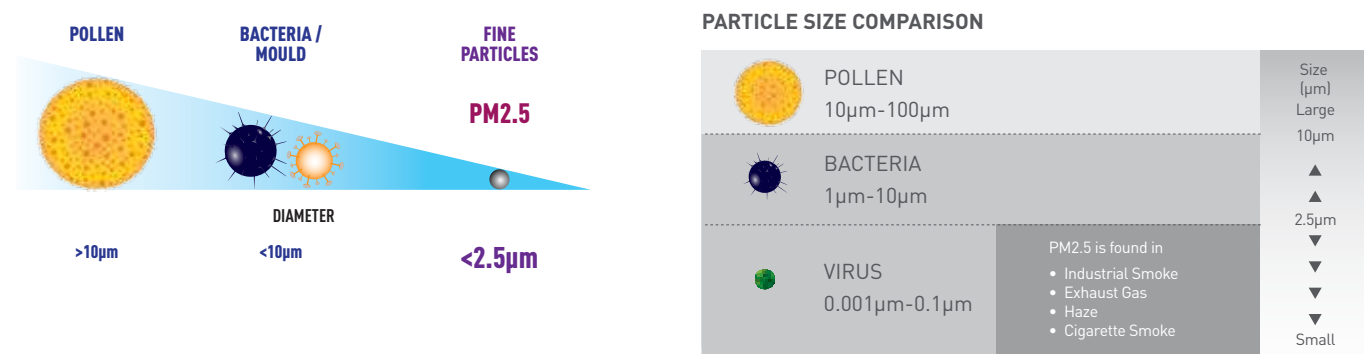


*Applicable to ELITE INVERTER only.
*All test results are based on internal test.



WHAT IS PM2.5?

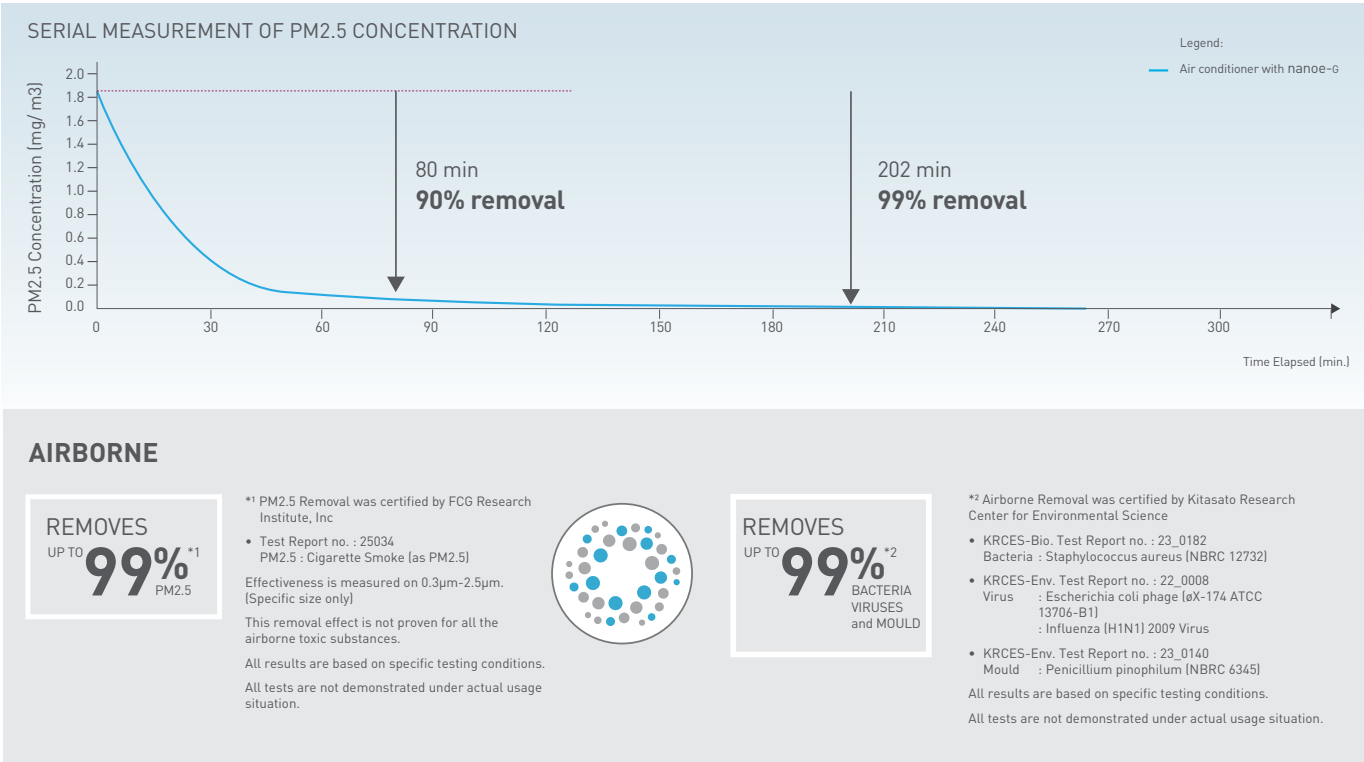
"Particulate matter," also known as PM is made up of a number of components including extremely small particles and liquid droplets. Sized at less than 2.5 micrometers (PM2.5), these particles are said to pose health problems as they can easily enter our lungs.



SOURCES OF PM2.5

PM2.5 can be found suspended in the air, including dust, dirt, smoke and liquid droplets. These fine particles come from man-made sources such as the combustion of fossil fuels, open burning and industrial processes as well as natural ones, which include sea sprays and dust carried by strong winds.

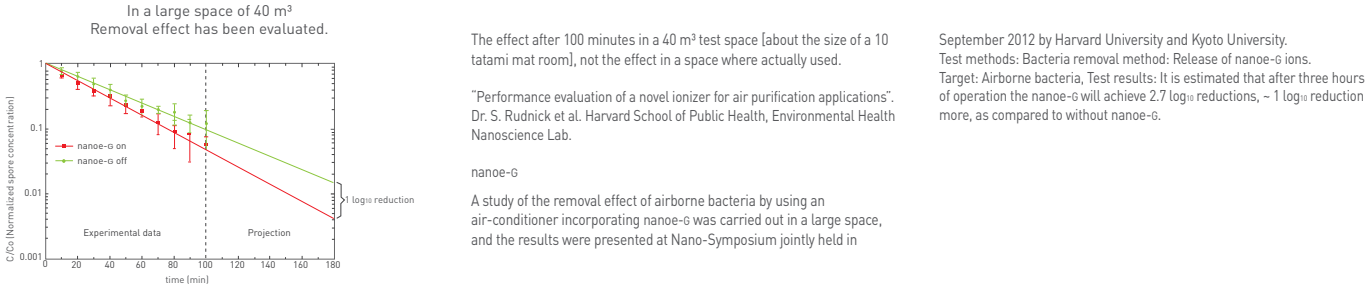
PM2.5 REMOVAL EFFICIENCY BASED ON TIME



THE EFFECTIVENESS OF PM2.5

AIRBORNE

DATA ON REMOVAL OF AIRBORNE BACTERIA WAS PRESENTED BY HARVARD SCHOOL OF PUBLIC HEALTH RESEARCHERS AT NANO-SYMPOSIUM AT KYOTO UNIVERSITY, 2012

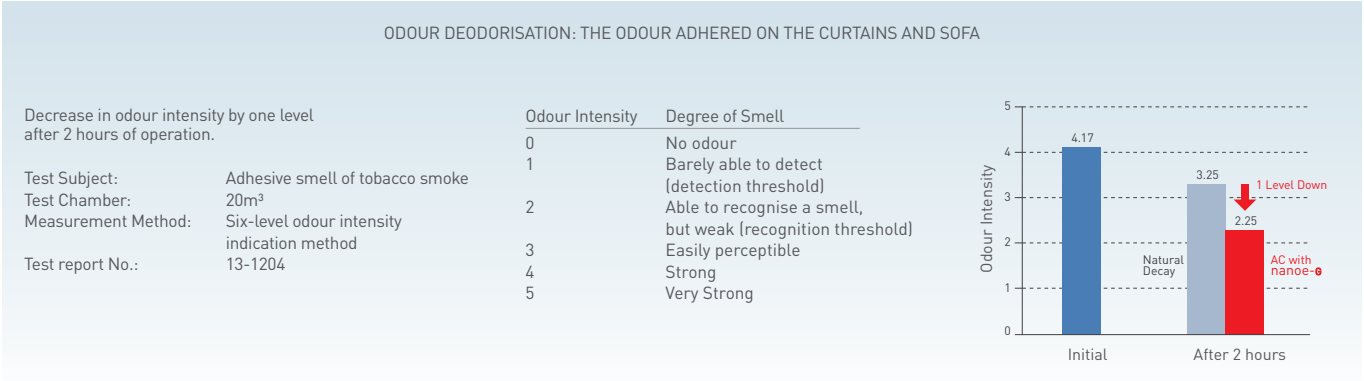


AIRBORNE

TARGET SUBSTANCE	SUBSTANCE NAME	EFFECTIVENESS	TESTING INSTITUTE	TEST REPORT NO	METHOD	RESULT
PM2.5	Cigarette Smoke (as PM2.5)	99%	FCG Research Institute, Inc	Test Report No. 25034	The AC with nanoe-G was operated in a test room (23m³) and the concentration of PM2.5 was measured by PM2.5 Digital Dust Indicator.	99% removal from the air after 202 minutes of operation.
Bacteria	Staphylococcus aureus (NBRC 12732)	99%	Kitasato Research Center for Environmental Science	KRCES-Bio. Test Report No. 23_0182	The AC with nanoe-G was operated in a test room (25m³) and aerosol was collected and bacterial count was calculated.	99% removal from the air after 150 minutes of operation.
Virus	Escherichia coli phage (øX-174 ATCC 13706-B1)	99%	Kitasato Research Center for Environmental Science	KRCES-Env. Test Report No. 22_0008	The AC with nanoe-G was operated in a test room (25m³) and airborne phages were collected and phage count of the collected air was calculated.	99% removal from the air after 120 minutes of operation.
		99%	Kitasato Research Center for Environmental Science	KRCES-Env. Test Report No. 22_0008	nanoe-G was operated in a test chamber (200 Litre) and the phages were collected and phage count of the collected air was calculated.	99% removal from the air after 5 minutes of operation.
	Influenza (H1N1) 2009 virus	99%	Kitasato Research Center for Environmental Science	KRCES-Env. Test Report No. 22_0008	nanoe-G was operated in a test chamber (200 Litre) and the influenza viruses were collected and the virus titers were calculated by the Reed and Muench method. In view of health hazard associated with spatial distribution of Influenza (H1N1) 2009 virus, nanoe-G removal effectiveness cannot be tested in large test room (25m³). When tested in 200 Litre chamber, nanoe-G was able to decrease Influenza (H1N1) 2009 virus (99%) when it was operated for 5 minutes. Additionally when tested in larger test room (25m³), nanoe-G can remove 99.5% of Coli phage virus when operated for 120 minutes. It was validated that evaluation on the influenza virus could be speculated from the results on the phage according to the test results in a 200 Litre test chamber. It appeared that the air-conditioners in a larger test room (25m³) would be able to remove the influenza virus as effectively as the phage.	
Mould	Penicillium pinophilum (NBRC 6345)	99%	Kitasato Research Center for Environmental Science	KRCES-Bio. Test Report No. 23_0140	The AC with nanoe-G was operated in a test room (25m³) and aerosol was collected and fungal spores count was calculated.	99% removal from the air after 90 minutes of operation.

Remark: All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.

ADHESIVE



ADHESIVE

TARGET SUBSTANCE	SUBSTANCE NAME	EFFECTIVENESS	TESTING INSTITUTE	TEST REPORT NO	METHOD	RESULT
Bacteria	Staphylococcus aureus (NBRC 12732)	99%	Japan Food Research Laboratories	Test Report No. 11047933001-02	The AC with nanoe-G was operated in a test space (10m³) and viable cells were counted by pour plate method.	99% inactivation after 24 hour operation of nanoe-G. (compared to the original condition/ventilation mode)
Virus	Bacteriophage (Phi X 174 NBRC 103405)	99%	Japan Food Research Laboratories	Test Report No. 11073649001-02	nanoe-G was operated in a test box (90 Litre) and phage infectivity titer was determined by plaque technique.	99% inactivation after 120 minutes operation of nanoe-G. (compared to non-operation)
Mould	Cladosporium cladosporioides (NBRC 6348)	Inhibit Mould Growth	Japan Food Research Laboratories	Test Report No. 11047937001-02	nanoe-G was operated in a test box (1m³) and colonies on the plate were counted.	The growth of the subject was inhibited. (>85% after 7 days)
Odour	Smell of tobacco smoke	Decrease by one level	OMI ODOR-AIR SERVICE Co.Ltd.	Test Report No. 13-1204	The AC with nanoe-G was operated in a test room (20m³) and the deodorisation effect on a piece of cloth impregnated with odour components of cigarette smoke was evaluated using six-level odour intensity indication method.	Decrease in odour intensity by one level after 120 minutes of operation.

Remark: All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.



HOW DOES IN-FILTER DEACTIVATION WORK?

1. POWER "OFF"

The air-conditioner first has to be turned off.

2. FAN OPERATION

The fan operation will run automatically for 30 minutes with the flaps slightly open to ensure the internal components are dry and free from condensation.

3. nanoe-G OPERATION

Natural Ion Wind spreads nanoe-G particles that are released from the nanoe-G generator.

4. DEACTIVATION EFFECT

nanoe-G deactivates bacteria and viruses that are trapped in the filter within 2 hours.

Remark: Main power must be switched on for the entire duration.

Remark: The 30-minute fan operation is only applicable when the unit has been operated in COOL / DRY mode.

Fan Operation : On
Flap : Flaps slightly open
nanoe-G LED : On

Remark: Depending on the Air Conditioner's accumulated operation time, nanoe-G In-Filter Deactivation may be activated only once a day.

Fan Operation : Off
Flap : Closed
nanoe-G LED : On

IN-FILTER DEACTIVATION

TARGET SUBSTANCE	SUBSTANCE NAME	EFFECTIVENESS	TESTING INSTITUTE	TEST REPORT NO	METHOD	RESULT
Bacteria	Staphylococcus aureus (NBRC 12732)	99%	Japan Food Research Laboratories	Test Report No. 12037932001	The test piece impregnated with Staphylococcus aureus was placed on the filter of the Air Conditioner indoor unit, and then nanoe-G was operated. After the test piece was collected, viable cells were counted. * test substance was placed on the 4 locations of the filter; upper/lower right and upper/lower left.	99% of deactivation after 2-hour nanoe-G operation.
	Escherichia coli phage (øX-174 ATCC 13706-B1)	99%	Japan Food Research Laboratories	Test Report No. 12014705001	The test piece impregnated with Escherichia coli phage was placed on the filter of the Air Conditioner indoor unit, and then nanoe-G was operated. After the test piece was collected, phage infectivity titer was determined. * test substance was placed on the 4 locations of the filter; upper/lower right and upper/lower left.	99% of deactivation after 2-hour nanoe-G operation.
Virus	Influenza (H1N1) 2009 Virus	Average 90% on filter (The percentage varies from 78.9% to 96.1% depending on its location)	Kitasato Research Center for Environmental Science	KRCES-Virus Test Report No. 24_0013	The test piece impregnated with Influenza (H1N1) 2009 Virus was placed on the filter of the Air Conditioner indoor unit, and then nanoe-G was operated. After the test piece was collected, virus infectivity titer was determined. * test substance was placed on the 4 locations of the filter; upper/lower right and upper/lower left.	Average 90% deactivation after 2-hour nanoe-G operation. (The percentage varies from 78.9% to 96.1%, depending on its location on filter)

Remark: All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.

ADHESIVE

DEACTIVATES UP TO **99%** *3

BACTERIA and VIRUSES

INHIBITS MOULD GROWTH

*3 Adhesive Deactivation was certified by Japan Food Research Laboratories

- Test Report number : 11047933001-02 Bacteria : Staphylococcus aureus (NBRC 12732)
- Test Report number : 11073649001-02 Virus : Bacteriophage (Phi X 174 NBRC 103405)
- Test Report number : 11047937001-02 Mould : Cladosporium cladosporioides (NBRC 6348)

All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.

ADHESIVE ODOURS

DEODORISES ADHESIVE ODOUR (TOBACCO SMELL)

Adhesive odour deodorisation was certified by OMI ODOR-AIR SERVICE Co. Ltd.

- Test Report No. 13-1204

All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.

IN-FILTER DEACTIVATION

DEACTIVATES UP TO **99%** *4

BACTERIA and VIRUSES

INHIBITS MOULD GROWTH

*4 In-Filter Deactivation was certified by Japan Food Research Laboratories

- Test Report number : 12037932001 Bacteria : Staphylococcus aureus (NBRC 12732)
- Test Report number : 12014705001 Virus : Escherichia coli phage (øX-174 ATCC 13706-B1)

All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.

DEACTIVATES AVERAGE UP TO **90%**

INFLUENZA (H1N1) 2009 VIRUS

In-Filter Deactivation was certified by Kitasato Research Center for Environmental Science

- Test Report number : KRCES-Virus Test Report No. 24_0013 Virus : Influenza (H1N1) 2009 Virus

All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.

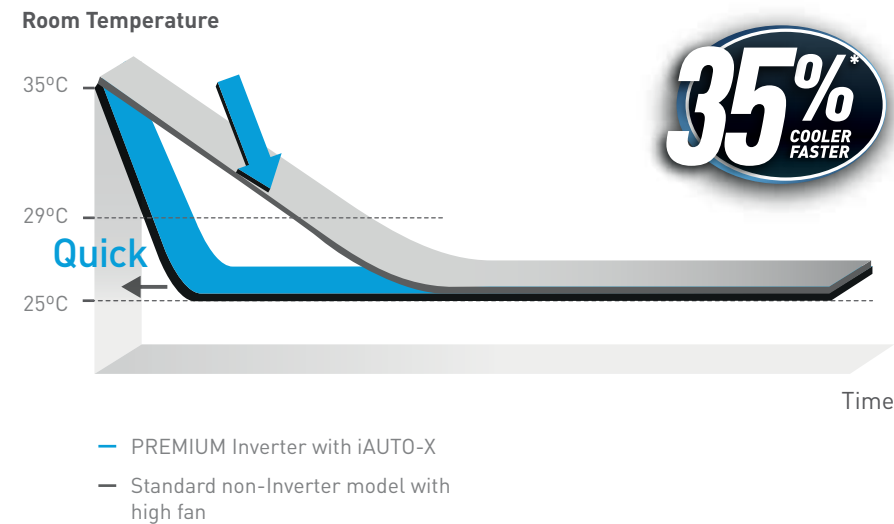
38

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FASTER COOLING

iAUTO-X cools you down 35% faster compared to Panasonic Standard non-Inverter model with high fan.



35%*
Faster Cooling

* Comparison of 1.5HP PREMIUM Inverter with iAUTO-X mode and Standard non-Inverter model with cooling mode

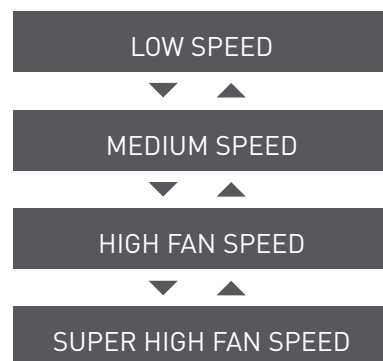
PREMIUM Inverter: iAUTO-X Mode
iAUTO-X Mode, Outside Temperature: 35°C / 24°C
Remote setting temperature: 25°C with Fan Speed: Auto
Horizontal Airflow direction: Auto, Vertical Airflow direction: Straight

Standard non-Inverter: Cooling Mode with High Fan
COOL Mode, Outside Temperature: 35°C / 24°C
Remote setting temperature: 25°C with Fan Speed: High
Horizontal Airflow direction: Auto, Vertical Airflow direction: Straight

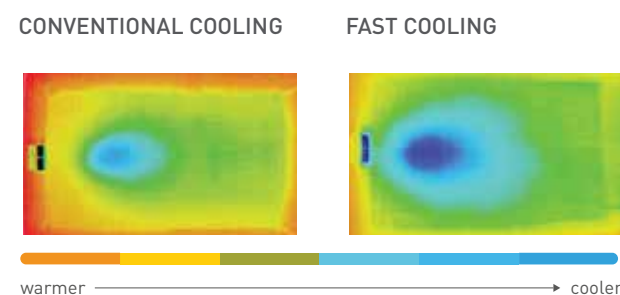
The time to reach the setting temperature was measured.
At Panasonic Amenity Room (size: 16.6m²)
The effect differs according to conditions in installation and usage.

AUTOMATIC FAN SPEED

iAUTO-X will automatically switch fan speed to high fan speed and super high fan speed depending on the temperature difference between the room and the set temperature.



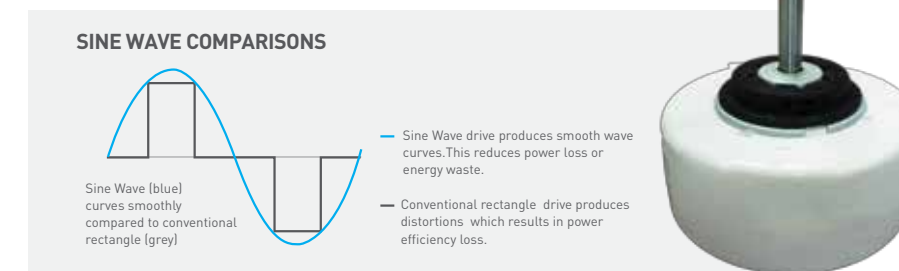
Remark:
Applicable for PREMIUM Inverter with iAUTO-X



TRUE COMFORT IS JUST A TOUCH AWAY

SINE WAVE DRIVE

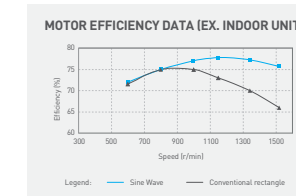
iAUTO utilises high efficient Sine Wave DC motor to realise both powerful cooling and energy saving.



ADVANTAGES OF SINE WAVE

1. EFFICIENCY UP EVEN AT HIGH ROTATIONAL SPEED PER MINUTE (RPM)

Reduced current distortion enables fan motor to start faster, run cooler and perform more efficiently even while running at super high fan speed to help reduce power consumption.



2. STABLE OPERATION

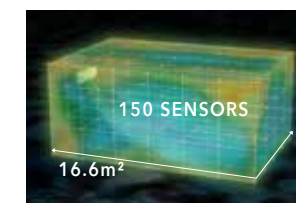
Sine Wave regulates power voltage that is identical to power supplied, ensuring consistent performance and stable operation.

3. LOW VIBRATION

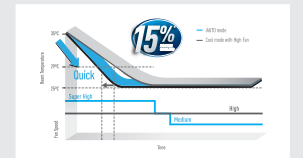
Motor loads run smoother with low vibrations resulting in quieter operation.

QUALITY CONTROL THROUGH SIMULATED LABORATORY TEST

Panasonic carried out testing at our own Environmental Testing Room which simulates a standard living room condition. This makes it possible to ensure the air conditioner operates at optimum performance level under varying conditions.



Testing is done in a large space of 16.6m² to simulate the size of an actual living room.
Indoor temperature is measured using 150 sensors to get the average room temperature.
This ensures the accuracy of indoor temperature data.



1. FAST COOLING AT START UP

At start up, iAUTO will run at super high fan speed to cool the room faster, 15% faster for cooler comfort.

2. MAINTAIN COOLING COMFORT

Once the room cools down, iAUTO provides constant cool airflow to maintain a comfortable level of relative humidity, to stay cool and comfortable all day long.

3. AUTOMATIC FAN SPEED

iAUTO automatically switches fan speed to high and super high fan speed depending on the temperature difference between the room and the set temperature.






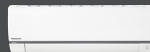
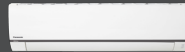



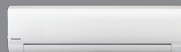
































* Comparison of 1.5HP DELUXE Non-INVERTER model with iAUTO Mode and Cooling Mode

iAUTO Mode
iAUTO Mode, Outside Temperature: 35°C / 24°C
Remote setting temperature: 25°C with Fan Speed: Auto
Horizontal Airflow direction: Middle, Vertical Airflow direction: Straight































Cooling Mode with High Fan
COOL Mode, Outside Temperature: 35°C / 24°C
Remote setting temperature: 25°C with Fan Speed: High
Horizontal Airflow direction: Middle, Vertical Airflow direction: Straight

Total power consumption amount is measured for 2 hours under stable operation.
At Panasonic Amenity Room (size: 16.6m²)
The effect differs according to conditions in installation and usage.

FEATURES COMPARISON

Split Type	ELITE Inverter	PREMIUM Inverter		STANDARD Inverter		DELUXE Low Watt	Low Watt	STANDARD Non-Inverter			Low Voltage
	Wall-Mounted										
Cooling Models	CS-VU10SKP CS-VU13SKP CS-VU18SKP	CS-U10TKP CS-U13TKP	CS-U18TKP CS-U24TKP	CS-PU9TKP CS-PU12TKP	CS-PU18TKP CS-PU24TKP	CS-XN5SKJ CS-XN7SKJ CS-XN9SKJ	CS-KN5SKJ CS-KN7SKJ CS-KN9SKJ	CS-PN5SKJ CS-PN7SKJ CS-PN9SKJ CS-PN12SKJ	CS-PN18SKP CS-PN24SKP	CS-YN5SKJ CS-YN7SKJ CS-YN9SKJ	CS-UV5SKP CS-UV9SKP
											
COMFORT											
 Radiant Cooling	●										
 iCOMFORT	●										
 iAUTO-X		●	●								
 SLEEP	●	●	●	●	●				●		
 Inverter Control	●	●	●	●	●						
 iAuto				●	●				●		
 Quiet Mode	●	●	●	●	●				●		
 Powerful Mode											
 Soft Dry Operation Mode	●	●	●	●	●				●		
 Personal Airflow Creation	●	●	●		●						
 Airflow Direction Control (Up & Down)				●					●		
 Airflow Direction Control (Left & Right)											
 Manual Horizontal Airflow Direction Control				●					●		
 Automatic Operation Mode (Cooling)											
CLEANER AIR											
 nanoe-G	●	●	●								
 Anti-Dust Coating	●										
 Anti-Bacterial Filter											
 Dust Sensor	●										
 Odour-Removing Function	●	●	●	●	●				●		
 Removable, Washable Panel		●	●	●	●				●		
CONVENIENCE											
 24-Hour Dual ON & OFF Real Setting Timer	●	●	●								
 24-Hour ON & OFF Real Setting Timer				●	●				●		
 12-Hour On & Off Setting Timer											
 LCD Wireless Remote Control	●	●	●	●	●				●		
 Wired Remote Control	● [Optional]	● [Optional]	● [Optional]	● [Optional]	● [Optional]						
RELIABILITY											
 Random Auto Restart (32 Restart Patterns)	●	●	●	●	●				●		
 Blue Fin Condenser	●	●	●	●	●				●		
 Long Piping (Numbers indicate the maximum pipe length)	20m [VU10/13] 30m [VU18]	20m	30m	20m	30m [PU18] 20m [PU24]				30m		
 Top-Panel Maintenance Access	●	●	●	●	●				●		
 Self-Diagnostic Function	●	●	●	●	●						

FEATURES EXPLANATION













COMFORT					
RADIANT COOLING Cools the ceiling and walls first, providing continuous cooling comfort without direct airflow.		iAUTO Automatic Intelligence switches fan speed for faster cooling with just one touch of a button.		AIRFLOW DIRECTION CONTROL (UP & DOWN) 	
iCOMFORT Let you come home to fast cooling. Then enjoy continuous comfort with RADIANT COOLING which avoids direct cooling.		QUIET MODE 	AIRFLOW DIRECTION CONTROL (LEFT & RIGHT) 		
iAUTO-X Come home to fast cooling. Then enjoy continuous comfort with Shower Cooling which avoids direct cooling.		POWERFUL MODE 	MANUAL HORIZONTAL AIRFLOW DIRECTION CONTROL 		
SLEEP MODE Delays off timer with temperature control for better sleep.		SOFT DRY OPERATION MODE Starts with cooling to dehumidify, then provides continuous breeze at a low frequency to keep a room dry without much change to the temperature.		AUTOMATIC OPERATION MODE 	
INVERTER CONTROL Varies the rotation speed of the compressor for higher energy savings.		PERSONAL AIRFLOW CREATION Vertical and horizontal airflow patterns can be combined as desired to achieve optimum comfort, with operation possible by remote even from a distance.			
CLEANER AIR					
nanoe-G nanoe-G works effectively on airborne particles including PM2.5, adhesive and in-filter micro-organisms such as bacteria, viruses and mould ensuring a cleaner living environment.		ANTI-DUST COATING Anti-dust coating prevents dust from accumulating on cross flow fan by keeping it clean.		ODOUR-REMOVING FUNCTION With this function, there's no unpleasant odor when the unit starts up. That's because the fan remains off momentarily, while the source of the odour inside the air conditioner is suppressed. The unit must be in cool or dry mode and the fan speed must be set to automatic.	
DUST SENSOR Monitors particle concentration levels and turns on nanoe-G if levels are high.		ANTI-BACTERIAL FILTER The Anti-Bacterial Filter combines three effects in one: anti-allergen, anti-virus and anti-bacteria protection to provide clean air.		REMOVABLE, WASHABLE PANEL 	
CONVENIENCE					
24-HOUR DUAL ON & OFF REAL SETTING TIMER This feature enables you to preset two different sets of start/stop operation timer (hour and minute) within a 24-hour time frame.		24-HOUR ON & OFF REAL SETTING TIMER The exact operating time (hour and minute) of the air conditioner can be set in advance. From here on, the unit will operate in accordance to these preset hours every day until the system is reset.		LCD WIRELESS REMOTE CONTROL 	
		12-HOUR ON & OFF SETTING TIMER 	WIRED REMOTE CONTROL 		
RELIABILITY					
RANDOM AUTO RESTART  (Random)		SELF-DIAGNOSTIC FUNCTION Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows for quicker servicing.		LONG PIPING  25m	
BLUE FIN CONDENSER 			TOP-PANEL MAINTENANCE ACCESS 		

OPTIONAL ACCESSORIES

REMOTE CONTROL
Wired Remote Control  CZ-RD514C
CS-VU10SKP, CS-VU13SKP, CS-VU18SKP CS-U10TKP, CS-U13TKP, CS-U18TKP, CS-U24TKP CS-PU9TKP, CS-PU12TKP, CS-PU18TKP, CS-PU24TKP

Capacity (Btu/h)

Wall-Mounted ELITE INVERTER Page 22-23
Wall-Mounted PREMIUM INVERTER Page 24-25
Wall-Mounted STANDARD INVERTER Page 26-27
Wall-Mounted DELUXE LOW WATT Page 28
Wall-Mounted LOW WATT Page 29
Wall-Mounted STANDARD NON-INVERTER Page 30
Wall-Mounted STANDARD NON-INVERTER Page 31
Wall-Mounted STANDARD NON-INVERTER Page 32
Wall-Mounted LOW VOLTAGE Page 33

5,000/7,000		9,000		10,000		12,000		13,000		18,000		24,000									
ELITE INVERTER								ELITE INVERTER WIDE								FEATURES					
 CS-VU10SKP <small>(CU-VU10SKP)</small>								 CS-VU13SKP <small>(CU-VU13SKP)</small>				 CS-VU18SKP <small>(CU-VU18SKP)</small>									
PREMIUM INVERTER								PREMIUM INVERTER WIDE								FEATURES					
 CS-U10TKP <small>(CU-U10TKP)</small>								 CS-U13TKP <small>(CU-U13TKP)</small>				 CS-U18TKP <small>(CU-U18TKP)</small>				 CS-U24TKP <small>(CU-U24TKP)</small>					
STANDARD INVERTER								STANDARD INVERTER WIDE								FEATURES					
 CS-PU9TKP <small>(CU-PU9TKP)</small>				 CS-PU12TKP <small>(CU-PU12TKP)</small>						 CS-PU18TKP <small>(CU-PU18TKP)</small>		 CS-PU24TKP <small>(CU-PU24TKP)</small>									
DELUXE LOW WATT								DELUXE LOW WATT WIDE								FEATURES					
XN MODEL																					
LOW WATT								LOW WATT WIDE								FEATURES					
KN MODEL																					
STANDARD NON-INVERTER								STANDARD NON-INVERTER WIDE								FEATURES					
PN MODEL																					
STANDARD								STANDARD WIDE								FEATURES					
								 CS-PN18SKP <small>(CU-PN18SKP)</small>				 CS-PN24SKP <small>(CU-PN24SKP)</small>									
STANDARD								STANDARD WIDE								FEATURES					
YN MODEL																					
LOW VOLTAGE								LOW VOLTAGE WIDE								FEATURES					
UV MODEL																					