RELIABILITY

JAPAN QUALITY

Our R&D focuses on ease of use, and our history of rigorous quality control is unmatched in the industry. As a result, with more than 50 years of experience, Panasonic has sold over 70 million air conditioner units in Japan and around the world.

OPERATING TEST IN HARSH CONDITIONS

Checking the oil condition inside the compressor under various extremely cold and hot conditions.

An operating durability test is conducted in a high-temperature, high-humidity test chamber at a temperature of up to 55°C and a low-temperature test chamber down to 20°C.

ENVIRONMENTAL TEST

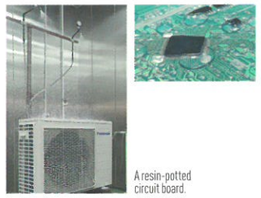
Sunshine simulation.

An air conditioner is operated in a test room simulating a living room testing cooling speed, cooling efficiency, and temperature and humidity differences throughout the room.

NOISE TEST

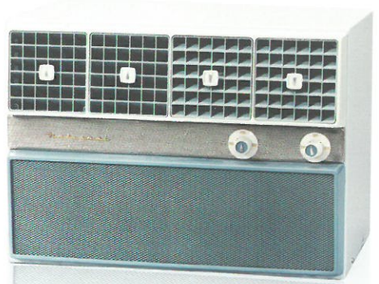
The operating noise of the indoor and outdoor units is measured in a high-performance anechoic chamber. The noise test verifies that the operating noise is low enough to allow the user to talk and sleep comfortably while the product is operating.

WATERPROOF TEST



A resin-potted circuit board.

Potential problems are checked by tests such as showering the unit for a predetermined amount of time. Contact sections on printed circuit boards are also resin-potted to prevent adverse effects caused by an unlikely exposure of droplets to water.



1958

Our first "Home Cooler" is launched.

- 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 December 2014.
- 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.

Panasonic

Air Conditioner

XS SERIES

ULTIMATE PERFORMANCE AND EFFICIENCY

INTELLIGENT ECO SENSORS

ECONAVI + INVERTER

IF YOU COULD SEE THE FUTURE, HOW COOL WOULD IT BE?

A Better Life. A Better World.

POWERING A GREEN REVOLUTION.

Everyone who imagines what the future could be thinks of a life with better technology. But, it's the simple things that make the world a better place. That is why Panasonic delivers global solutions that improve the quality of life at home and eco-friendly technology that makes the world a better place in the future.

THE RELIABILITY OF A GLOBAL BRAND.

Panasonic is a global leader in air conditioning solutions with 5 decades of experience in the industry. Our products are sold every day in over 120 countries around the world. We believe that the true value in air conditioning comes from extensive testing in reliability and uninterrupted operations that you can count on for years to come. Nothing compares to knowing that cooling comfort is always there to make you feel right at home.

JAPAN QUALITY

HERE FOR YOU TODAY.

THERE FOR YOU TOMORROW.

COOL. ECO. TOGETHER.

INTELLIGENT ECO SENSORS

ECONAVI + INVERTER

THE PERFECT MATCH FOR HOME LIVING

ECONAVI and INVERTER is a perfect match of energy saving features that keeps air conditioning in your home more efficient and comfortable throughout the day.

SAVES YOU MORE ENERGY FOR PEACE OF MIND

Your Panasonic Air Conditioner simply knows when to keep power usage at a minimum. So, you can rest and relax comfortably at home knowing that you save up to 65% energy savings.

***Comparison of 1.5HP Inverter model with ECONAVI (with Dual Human Activity Sensor, Sunlight Sensor, and Temperature Wave) ON and 1.5HP Standard non-Inverter (Cooling)**

Inverter with ECONAVI:
ECONAVI ON, Outside Temperature: 35˚C/24˚C
Remote setting temperature: 25˚C with Fan Speed High
Horizontal Airflow direction: Step 3, Vertical Airflow direction: ECONAVI mode
Setting temperature goes up 2˚C in total, 1˚C controlled by ECONAVI activity level detection and another 1˚C controlled by ECONAVI light intensity detection.
Temperature Wave is ON

Standard non-Inverter without ECONAVI:
Outside Temperature: 35˚C/24˚C
Remote setting temperature: 25˚C with Fan Speed High
Horizontal Airflow direction: Step 3, Vertical Airflow direction: Straight

Total power consumption amount is measured for 2 hours under stable operation. At Panasonic Amenity Room (size: 16.6m²)

This is the maximum energy saving value, and the effect differs according to conditions in installation and usage.

** Please refer to page 06 & 30-33*
Applicable to PREMIUM Inverter only.

INTELLIGENT ECO SENSORS ECONAVI + INVERTER

ECONAVI AND INVERTER WORK HARD TO SAVE ENERGY.

With a Human Activity Sensor and Sunlight Sensor, ECONAVI and INVERTER can monitor human location, movement, absence and sunlight intensity to use energy more efficiently.

ECONAVI SAVES YOU ENERGY BECAUSE IT KNOWS:

AREA SEARCH — *Where you are.*

ABSENCE DETECTION — *When you leave the room.*

ACTIVITY DETECTION — *When you are less active.*

SUNLIGHT DETECTION — *Whether it's a sunny day or at night.*

TEMPERATURE WAVE — *Adapts rhythmic temperature control after detecting low activity level.*

nanoe-G

nanoe-G removes PM2.5 particles.

When you think the air looks clean, it may already be polluted with harmful particles less than 2.5 micrometers in size. PM 2.5 comes from motor vehicles, factories and wood burning. Now you can purify the air in your home with nanoe-G.

REMOVES 99% OF PM2.5

Thanks to nano-sized ions, nanoe-G can remove particles smaller than 2.5 micrometers (PM2.5) in the air you breathe.

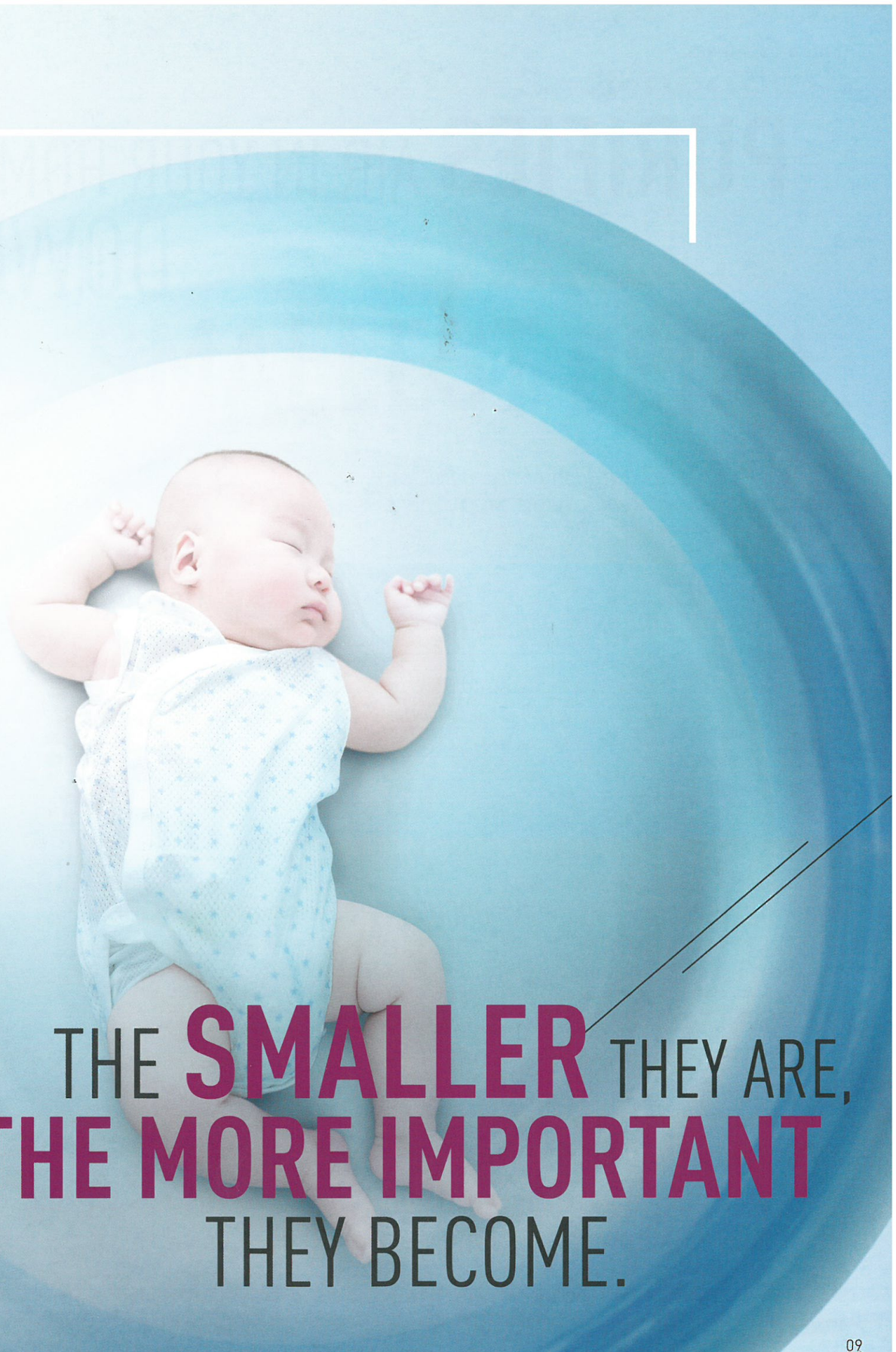
REMOVES 99% AIRBORNE PARTICLES

DEACTIVATES 99% ADHESIVE MICRO-ORGANISMS

NEW
Deodorises adhesive odour (tobacco smell).

UP TO 99%* EFFICIENCY

** Please refer to page 10-11 & 36-41*
Applicable to PREMIUM Inverter and Deluxe non-Inverter.



THE **SMALLER** THEY ARE,
THE MORE IMPORTANT
THEY BECOME.

PURIFIES AIR IN YOUR HOME DOWN TO THE SMALLEST DETAIL.

nanoe-G releases 3 trillion of fine particles to clean the air in your home environment for fresher and cleaner living.

1 REMOVAL OF AIRBORNE PARTICLES

nanoe-G can effectively remove up to 99% of PM2.5[1] and airborne particles*[2] such as bacteria, viruses and mould.*

*[1] & *[2] Please refer to page 36 - 39

2 DEACTIVATION OF ADHESIVE MICRO-ORGANISMS AND NEW DEODORISATION OF ADHESIVE ODOURS

nanoe-G particles are able to deactivate up to 99%[3] of bacteria, viruses and inhibit mould growth that settles on surfaces around you. The odours adhered on the curtains and sofa are deodorised.*

*[3] Please refer to page 39

3 IN-FILTER DEACTIVATION

With In-Filter Deactivation, nanoe-G deactivates 99%[4] of bacteria and viruses trapped inside the filter.*

*[4] Please refer to page 40 & 41

NEW

CS-XS9RKZW | CS-XS12RKZW

Wireless

Wired (Optional)

NEW

CS-XS18RKZW | CS-XS24RKZW | CS-XS28RKZ

Wireless

Wired (Optional)

SPECIFICATIONS

MODEL		(50Hz)	CS-XS9RKZW (CU-XS9RKZ)	CS-XS12RKZW (CU-XS12RKZ)	CS-XS18RKZW (CU-XS18RKZ)	CS-XS24RKZW (CU-XS24RKZ)	CS-XS28RKZ (CU-XS28RKZ)
Cooling Capacity		Btu/h	8,530 (2,900-10,900)	11,000 (3,140-13,600)	17,700 (3,750-20,500)	20,500 (3,820-24,200)	23,500 (3,920-29,000)
		kW	2.50 (0.85-3.20)	3.23 (0.92-4.00)	5.20 (1.10-6.00)	6.00 (1.12-7.10)	6.90 (1.15-8.50)
COP		Btu/hW	15.51	14.67	12.92	12.97	11.58
		W/W	4.55	4.31	3.80	3.80	3.40
Electrical Data	Voltage	V	220 - 240	220 - 240	220 - 240	220 - 240	220 - 240
	Running Current	A	2.7 - 2.5	3.7 - 3.4	6.3 - 5.9	7.4 - 7.0	9.6 - 9.0
	Power Input	W	550 (200-840)	750 (210-1,000)	1,370 (280-1,620)	1,580 (320-1,980)	2,030 (350-2,700)
Moisture Removal		L/h	1.5	1.8	2.9	3.3	3.9
		Pt/h	3.2	3.8	6.1	7.0	8.2
Air Circulation (Indoor/Hi)		m³/min.	11.3	12.6	17.6	18.4	18.4
		ft³/min.	400	445	620	650	650
Noise Level	Indoor (H/L/Q-Lo)	(dB-A)	39/26/23 - 39/26/23	40/28/25 - 40/28/25	45/36/33 - 45/36/33	47/37/34 - 47/37/34	47/37/34 - 47/37/34
	Outdoor (H/L)	(dB-A)	(47) - (48)	(49) - (50)	(49) - (50)	(52) - (53)	(52) - (53)
Dimensions	Height	mm	296 (542)	296 (619)	296 (695)	296 (795)	296 (795)
		inch	11-21/32 (21-11/32)	11-21/32 (24-3/8)	11-21/32 (27-3/8)	11-21/32 (31-5/16)	11-21/32 (31-5/16)
	Width	mm	870 (780)	870 (824)	1,070 (875)	1,070 (875)	1,070 (875)
		inch	34-9/32 (30-23/32)	34-9/32 (32-15/32)	42-5/32 (34-15/32)	42-5/32 (34-15/32)	42-5/32 (34-15/32)
	Depth	mm	236 (289)	236 (299)	241 (320)	241 (320)	241 (320)
		inch	9-5/16 (11-13/32)	9-5/16 (11-25/32)	9-1/2 (12-5/8)	9-1/2 (12-5/8)	9-1/2 (12-5/8)
Net Weight		kg	9 (31)	9 (32)	12 (44)	12 (56)	12 (57)
		lb	20 (68)	20 (71)	26 (97)	26 (123)	26 (126)
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35
		inch	1/4	1/4	1/4	1/4	1/4
	Gas Side	mm	ø 9.52	ø 12.70	ø 12.70	ø 15.88	ø 15.88
		inch	3/8	1/2	1/2	5/8	5/8
Pipe Extension	Chargeless Pipe Length	m	7.5	7.5	10	10	10
	Maximum Pipe Length	m	15	15	20	30	30
	Maximum Elevation Length	m	5	5	15	20	20
	Additional Refrigerant Gas*	g/m	15	15	15	30	30
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor

Caution For CS-XS9/XS12/XS18/XS24RKZW/XS28RKZ (Important) Please do not use copper pipes that are less than 0.6mm in thickness.

* When pipes are not extended from the standard pipe length, the required amount of refrigerant is already in the unit.

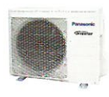
OUTDOOR

Blue Fin Condenser R410A

CU-XS9RKZ

CU-XS12RKZ

CU-XS18RKZ

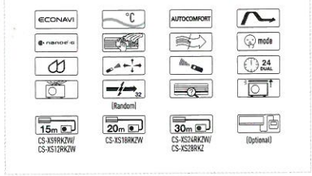


CU-XS24RKZ

CU-XS28RKZ

INVERTER ECONAVI nanoe-G

COOLING MODELS

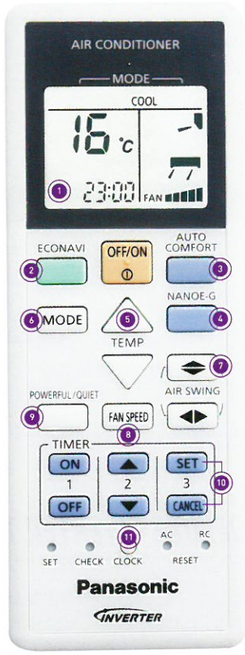


( ): Outdoor Unit

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. ECONAVI monitors sunlight intensity, human movement, activity levels and human absence to detect and reduce energy waste.
3. Auto comfort mode detects high activity levels and switches to comfort operation for maximum comfort.
4. Activates the nanoe-G function even when the air conditioner is switched off.
5. Press up or down to set the temperature.
6. Toggles between COOL and DRY setting mode.
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 DELUXE Inverter

DUAL TIMER

24 DUAL

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

1 ON → ◴1 → ◴2 → Cancel

OFF → ◴1 → ◴2 → Cancel

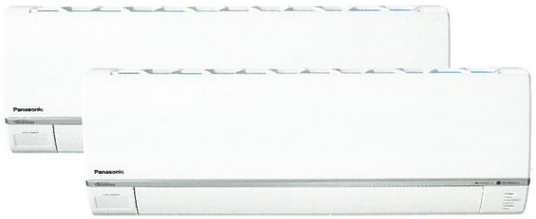
Set the time.

2 ▲ ▼

Confirm.

TIMER 3 SET

DELUXE INVERTER DUAL-SPLIT MODEL



CS-XS9RKZW + CS-XS12RKZW

Wireless

Wired (Optional)

INVERTER
ECONAVI
nanoe-G

COOLING MODELS

MODELS	CU-2XS18RKZ	Indoor Units: Possible Combination Patterns (Must be within capacity range)				
2 Rooms	Blue Fin Condenser	Port A	2.8	or Either unit	3.2	
		Port B	2.8	or Either unit	3.2	

• It is possible to have a combination of wall-mounted models (CS-XS9, XS12RKZW) for the (CU-2XS18RKZ) Outdoor Unit Ports.

DELUXE INVERTER TRIPLE-SPLIT MODEL

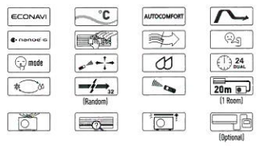
CS-XS9RKZW + CS-XS12RKZW + CS-XS15RKZW + CS-XS18RKZW

Wireless

Wired (Optional)

INVERTER
ECONAVI
nanoe-G

COOLING MODELS



MODELS	CU-3XS27RKZ	Indoor Units: Possible Combination Patterns (Must be within capacity range)							
3 Rooms	Blue Fin Condenser	Port A	2.8	or	3.2	or	4.0	or	5.0
		Port B	2.8	or	3.2	or	4.0	or	5.0
		Port C	2.8	or	3.2	or	4.0	or	5.0

• It is possible to have a combination of wall-mounted models (CS-XS9, XS12, XS15, XS18RKZW) for the (CU-3XS27RKZ) Outdoor Unit Ports.

SPECIFICATIONS - INDOOR

			DUAL-SPLIT MODEL	
MODEL		(50Hz)	CS-XS9RKZW	CS-XS12RKZW
Operation			1-Unit	1-Unit
Cooling Capacity		Btu/h (Min ~ Max)	9,550 (3,750 ~ 11,900)	10,900 (3,750 ~ 13,600)
		kW (Min ~ Max)	2.80 (1.10 ~ 3.50)	3.20 (1.10 ~ 4.00)
COP		Btu/hW	12.73	11.87
		W/W	3.73	3.48
Electrical Data	Voltage	V	220 - 240	220 - 240
	Running Current	A	3.70 - 3.40	4.50 - 4.20
Sound Pressure Level	Indoor (Hi/Lo)	(dB-A)	41 / 29	44 / 32
Moisture Removal		L/h	1.6	1.8
Air Circulation (Indoor/Hi)		m³/min.	11.2	12.6
		ft³/min.	395	445
Fan Output		W	40	40
Dimensions	Height	mm	296	296
	Width	mm	870	870
	Depth	mm	236	236
Net Weight Indoor		kg	9	9
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52
Pipe Extension	Standard Pipe Length	m	7.5	7.5
Power Supply			Outdoor	Outdoor

SPECIFICATIONS - INDOOR

			TRIPLE-SPLIT MODEL			
MODEL		(50Hz)	CS-XS9RKZW	CS-XS12RKZW	CS-XS15RKZW	CS-XS18RKZW
Operation			1-Unit	1-Unit	1-Unit	1-Unit
Cooling Capacity		Btu/h (Min ~ Max)	9,550 (5,800 ~ 11,600)	10,900 (5,800 ~ 13,600)	13,600 (5,800 ~ 16,400)	17,100 (6,480 ~ 19,800)
		kW (Min ~ Max)	2.80 (1.70 ~ 3.40)	3.20 (1.70 ~ 4.00)	4.00 (1.70 ~ 4.80)	5.00 (1.90 ~ 5.80)
COP		Btu/hW	13.65	13.65	11.57	11.67
		W/W	4.00	4.00	3.39	3.42
Electrical Data	Voltage	V	220 - 240	220 - 240	220 - 240	220 - 240
	Running Current	A	3.80 - 3.50	4.30 - 3.90	6.10 - 5.60	7.40 - 6.80
Sound Pressure Level	Indoor (Hi/Lo)	(dB-A)	41 / 29	44 / 32	45 / 32	47 / 38
Moisture Removal		L/h	1.6	1.8	2.3	2.7
Air Circulation (Indoor/Hi)		m³/min.	11.2	12.6	13.3	17.6
		ft³/min.	395	445	470	620
Fan Output		W	40	40	40	40
Dimensions	Height	mm	296	296	296	296
	Width	mm	870	870	870	1,070
	Depth	mm	236	236	236	241
Net Weight Indoor		kg	9	9	9	12
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 9.52	ø 9.52
Pipe Extension	Standard Pipe Length	m	7.5	7.5	7.5	10.0
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor

SPECIFICATIONS - OUTDOOR

MODEL		(50Hz)	DUAL-SPLIT MODEL CU-2XS18RKZ	TRIPLE-SPLIT MODEL CU-3XS27RKZ
Cooling Capacity		Btu/h (Min ~ Max)	17,100 (5,120 ~ 20,500)	20,500 (9,550 ~ 27,300)
		kW (Min ~ Max)	5.00 (1.50 ~ 6.00)	6.00 (2.80 ~ 8.00)
COP		Btu/hW	15.21	15.14
		W/W	4.46	4.44
Weighted COP		W/W	5.07	4.83
Electrical Data	Voltage	V	220 - 240	220 - 240
	Running Current	A	5.20 - 4.80	6.90 - 6.30
	Power Input	W (Min ~ Max)	1,120 (250 ~ 1,700)	1,350 (520 ~ 2,570)
Sound Pressure Level	Outdoor (Hi/Lo)	(dB-A)	51	51
Maximum Current		A	12	15.2
Starting Current		A	5.2	6.9
Compressor Output		W	900	1,300
Fan Output		W	40	44
Dimensions	Height	mm	619	695
	Width	mm	824 (+70)	875 (+95)
	Depth	mm	299	320
Net Weight Indoor		kg	38	58
Pipe Extension**	Chargeless Pipe Length	m	20	30
	Maximum Pipe Length	1 Room	20	25
		Total	30	60
	Maximum Elevation Length	m	10	15
	Additional Refrigerant Gas*	g/m	15	20

* When pipes are not extended from the standard pipe length, the required amount of refrigerant is already in the unit.

INVERTER DUAL-SPLIT MODEL (CU-2XS18RKZ)

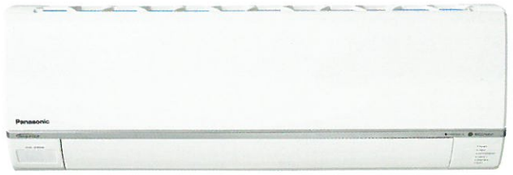
INDOOR UNIT COMBINATION		TOTAL	COOLING CAPACITY (kW) A	B	TOTAL	MIN ~ MAX	POWER INPUT (W) RATED	MIN ~ MAX	CURRENT (A) (50Hz) 220V	240V	MOISTURE REMOVAL L/H
1 Room	2.8	2.8	2.80	—	2.80	1.10 ~ 3.50	750	220 ~ 1,000	3.65	3.40	1.6
	3.2	3.2	3.20	—	3.20	1.10 ~ 4.00	920	220 ~ 1,220	4.50	4.20	1.8
2 Rooms	2.8 + 2.8	5.6	2.40	2.40	4.80	1.50 ~ 5.80	1,100	250 ~ 1,640	5.20	4.80	1.5 + 1.5
	2.8 + 3.2	6.0	2.30	2.70	5.00	1.50 ~ 5.90	1,140	250 ~ 1,670	5.30	4.80	1.5 + 1.6
	3.2 + 3.2	6.4	2.50	2.50	5.00	1.50 ~ 6.00	1,120	250 ~ 1,700	5.20	4.80	1.5 + 1.5

INVERTER TRIPLE-SPLIT MODEL (CU-3XS27RKZ)

INDOOR UNIT COMBINATION		TOTAL	COOLING CAPACITY (kW) A	B	C	TOTAL	MIN ~ MAX	POWER INPUT (W) RATED	MIN ~ MAX	CURRENT (A) (50Hz) 220V	240V	MOISTURE REMOVAL L/H
1 Room	2.8	2.8	2.80			2.80	1.70 ~ 3.40	700	380 ~ 890	3.8	3.5	1.6
	3.2	3.2	3.20			3.20	1.70 ~ 4.00	800	380 ~ 1,200	4.3	3.9	1.8
	4.0	4.0	4.00			4.00	1.70 ~ 4.80	1,180	380 ~ 1,480	6.1	5.6	2.3
	5.0	5.0	5.00			5.00	1.90 ~ 5.80	1,460	400 ~ 1,890	7.4	6.8	2.7
2 Rooms	2.8 + 2.8	5.6	2.80	2.80		5.60	1.70 ~ 6.40	1,750	420 ~ 2,530	8.7	8.0	1.6 + 1.6
	2.8 + 3.2	6.0	2.80	3.20		6.00	1.70 ~ 6.50	2,020	420 ~ 2,530	10.1	9.2	1.6 + 1.8
	2.8 + 4.0	6.8	2.47	3.53		6.00	2.50 ~ 7.30	1,820	550 ~ 3,230	9.1	8.3	1.5 + 2.0
	2.8 + 5.0	7.8	2.15	3.85		6.00	2.70 ~ 7.70	1,630	530 ~ 3,220	8.2	7.5	1.4 + 2.3
	3.2 + 3.2	6.4	3.00	3.00		6.00	2.30 ~ 7.10	1,970	570 ~ 3,250	9.8	9.0	1.7 + 1.7
	3.2 + 4.0	7.2	2.67	3.33		6.00	2.50 ~ 7.40	1,820	550 ~ 3,230	9.1	8.3	1.6 + 1.9
	3.2 + 5.0	8.2	2.34	3.66		6.00	2.80 ~ 7.70	1,630	530 ~ 3,220	8.2	7.5	1.5 + 2.1
	4.0 + 4.0	8.0	3.00	3.00		6.00	2.70 ~ 7.60	1,680	540 ~ 3,220	8.4	7.7	1.7 + 1.7
	4.0 + 5.0	9.0	2.67	3.33		6.00	2.80 ~ 7.80	1,540	530 ~ 3,210	7.8	7.1	1.6 + 1.9
	5.0 + 5.0	10.0	3.00	3.00		6.00	2.90 ~ 8.00	1,500	520 ~ 3,210	7.6	6.9	1.7 + 1.7
3 Rooms	2.8 + 2.8 + 2.8	8.4	2.00	2.00	2.00	6.00	2.40 ~ 7.60	1,500	580 ~ 3,080	7.6	6.9	1.3 + 1.3 + 1.3
	2.8 + 2.8 + 3.2	8.8	1.91	1.91	2.18	6.00	2.40 ~ 7.70	1,460	580 ~ 3,080	7.4	6.8	1.2 + 1.2 + 1.4
	2.8 + 2.8 + 4.0	9.6	1.75	1.75	2.50	6.00	2.60 ~ 8.00	1,460	600 ~ 3,170	7.4	6.8	1.1 + 1.1 + 1.5
	2.8 + 2.8 + 5.0	10.6	1.58	1.58	2.84	6.00	2.80 ~ 8.00	1,450	600 ~ 2,830	7.3	6.7	1.0 + 1.0 + 1.7
	2.8 + 3.2 + 3.2	9.2	1.82	2.09	2.09	6.00	2.40 ~ 7.70	1,460	580 ~ 3,090	7.4	6.8	1.2 + 1.4 + 1.4
	2.8 + 3.2 + 4.0	10.0	1.68	1.92	2.40	6.00	2.60 ~ 8.00	1,470	600 ~ 3,110	7.4	6.8	1.1 + 1.2 + 1.5
	2.8 + 3.2 + 5.0	11.0	1.52	1.75	2.73	6.00	2.80 ~ 8.00	1,420	600 ~ 2,830	7.2	6.6	1.0 + 1.1 + 1.6
	2.8 + 4.0 + 4.0	10.8	1.56	2.22	2.22	6.00	2.70 ~ 8.00	1,450	600 ~ 2,930	7.3	6.7	1.0 + 1.4 + 1.4
	2.8 + 4.0 + 5.0	11.8	1.42	2.03	2.55	6.00	2.80 ~ 8.00	1,420	580 ~ 2,680	7.2	6.6	0.9 + 1.3 + 1.6
	2.8 + 5.0 + 5.0	12.8	1.32	2.34	2.34	6.00	2.80 ~ 8.00	1,350	520 ~ 2,570	6.9	6.3	0.8 + 1.5 + 1.5
	3.2 + 3.2 + 3.2	9.6	2.00	2.00	2.00	6.00	2.40 ~ 7.70	1,470	590 ~ 3,100	7.4	6.8	1.3 + 1.3 + 1.3
	3.2 + 3.2 + 4.0	10.4	1.85	1.85	2.30	6.00	2.60 ~ 8.00	1,470	600 ~ 3,120	7.4	6.8	1.2 + 1.2 + 1.5
	3.2 + 3.2 + 5.0	11.4	1.68	1.68	2.64	6.00	2.80 ~ 8.00	1,420	600 ~ 2,830	7.2	6.6	1.1 + 1.1 + 1.6
	3.2 + 4.0 + 4.0	11.2	1.72	2.14	2.14	6.00	2.80 ~ 8.00	1,450	600 ~ 2,880	7.3	6.7	1.1 + 1.4 + 1.4
	3.2 + 4.0 + 5.0	12.2	1.57	1.97	2.46	6.00	2.80 ~ 8.00	1,410	580 ~ 2,680	7.1	6.5	1.0 + 1.3 + 1.5
	3.2 + 5.0 + 5.0	13.2	1.46	2.27	2.27	6.00	2.80 ~ 8.00	1,350	520 ~ 2,570	6.9	6.3	0.9 + 1.5 + 1.5
	4.0 + 4.0 + 4.0	12.0	2.00	2.00	2.00	6.00	2.80 ~ 8.00	1,420	590 ~ 2,730	7.2	6.6	1.3 + 1.3 + 1.3
	4.0 + 4.0 + 5.0	13.0	1.85	1.85	2.30	6.00	2.80 ~ 8.00	1,360	540 ~ 2,580	6.9	6.4	1.2 + 1.2 + 1.5

• Specification based on ISO 15042 standard. • A minimum of 2 indoor units must be connected. • Switchable between 8.5amp or 11amp.

WALL-MOUNTED

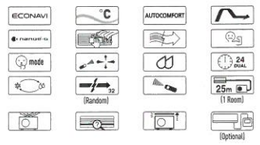


Wireless

Wired (Optional)

CS-XS9RKZW | CS-XS12RKZW | CS-XS15RKZW
CS-XS18RKZW | CS-XS24RKZW

COOLING MODELS



MODELS		Indoor Units: Possible Combination Patterns (Must be within capacity range)						
3 Rooms	CU-3XS28RBZ	Port A	2.8	or 3.2	or 4.0	or 5.0	or 6.0	
		Port B	2.8	or 3.2	or 4.0	or 5.0	or 6.0	
4 Rooms	CU-4XS32RBZ	Port C	2.8	or 3.2	or 4.0	or 5.0	or 6.0	

- It is possible to have a combination of wall-mounted models (CS-XS9, XS12, XS15, XS18, XS24RKZW), mini cassette models (CS-S12, S18, S24MB4ZW) and ducted models (CS-E12QD3EAW, ME18PD3EA) for the (CU-3XS28RBZ, 4XS32RBZ) Outdoor Unit Ports.
- A minimum of 2 indoor units must be connected.

MINI CASSETTE

Panel CZ-BT20E

Wireless

COOLING MODELS

CS-S12MB4ZW | CS-S18MB4ZW
CS-S24MB4ZW

MODELS		Indoor Units: Possible Combination Patterns (Must be within capacity range)						
3 Rooms	CU-3XS28RBZ	Port A	2.8	or 3.2	or 4.0	or 5.0	or 6.0	
		Port B	2.8	or 3.2	or 4.0	or 5.0	or 6.0	
4 Rooms	CU-4XS32RBZ	Port C	2.8	or 3.2	or 4.0	or 5.0	or 6.0	

- It is possible to have a combination of wall-mounted models (CS-XS9, XS12, XS15, XS18, XS24RKZW), mini cassette models (CS-S12, S18, S24MB4ZW) and ducted models (CS-E12QD3EAW, ME18PD3EA) for the (CU-3XS28RBZ, 4XS32RBZ) Outdoor Unit Ports.
- A minimum of 2 indoor units must be connected.

SPECIFICATIONS - INDOOR

			WALL-MOUNTED				
MODEL		(50Hz)	CS-XS9RKZW	CS-XS12RKZW	CS-XS15RKZW	CS-XS18RKZW	CS-XS24RKZW
Operation			1-Unit	1-Unit	1-Unit	1-Unit	1-Unit
Cooling Capacity		Btu/h (Min ~ Max)	9,550 (5,800 ~ 11,600)	10,900 (5,800 ~ 13,600)	13,600 (5,800 ~ 16,400)	17,100 (6,480 ~ 19,800)	20,500 (6,480 ~ 21,100)
		kW (Min ~ Max)	2.80 (1.70 ~ 3.40)	3.20 (1.70 ~ 4.00)	4.00 (1.70 ~ 4.80)	5.00 (1.90 ~ 5.80)	6.00 (1.90 ~ 6.20)
COP		Btu/hW	13.65	13.65	11.57	11.67	10.67
		W/W	4.00	4.00	3.39	3.42	3.13
Electrical Data	Voltage	V	220 - 240	220 - 240	220 - 240	220 - 240	220 - 240
	Running Current	A	3.70 - 3.40	4.20 - 3.90	6.00 - 5.50	7.30 - 6.70	9.30 - 8.60
Sound Pressure Level	Indoor (Hi/Lo)	(dB-A)	41 / 29	44 / 32	45 / 32	47 / 38	48 / 39
Moisture Removal		L/h	1.6	1.8	2.3	2.7	3.3
Air Circulation (Indoor/Hi)		m^3/min.	11.2	12.6	13.3	17.6	17.9
		ft^3/min.	395	445	470	620	630
Fan Output		W	40	40	40	40	40
Dimensions	Height	mm	296	296	296	296	296
	Width	mm	870	870	870	1,070	1,070
	Depth	mm	236	236	236	241	241
Net Weight Indoor		kg	9	9	9	12	12
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 9.52	ø 9.52	ø 12.70
Pipe Extension	Standard Pipe Length	m	7.5	7.5	7.5	7.5	7.5
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor

SPECIFICATIONS - INDOOR

			MINI CASSETTE		
MODEL		(50Hz)	CS-S12MB4ZW	CS-S18MB4ZW	CS-S24MB4ZW
Operation			1-Unit	1-Unit	1-Unit
Cooling Capacity		Btu/h (Min ~ Max)	10,900 (5,800 ~ 13,600)	17,100 (6,480 ~ 19,800)	20,500 (6,480 ~ 21,100)
		kW (Min ~ Max)	3.20 (1.70 ~ 4.00)	5.00 (1.90 ~ 5.80)	6.00 (1.90 ~ 6.20)
COP		Btu/hW	13.65	11.67	10.67
		W/W	4.00	3.42	3.13
Electrical Data	Voltage	V	220 - 240	220 - 240	220 - 240
	Running Current	A	4.20 - 3.90	7.30 - 6.70	9.30 - 8.60
Sound Pressure Level	Indoor (Hi/Lo)	(dB-A)	34 / 26	36 / 28	41 / 33
Moisture Removal		L/h	1.8	2.7	3.3
Air Circulation (Indoor/Hi)		m^3/min.	10.5	11.0	12.8
		ft^3/min.	370	390	450
Fan Output		W	40	40	40
Dimensions	Height	mm	260	260	260
	Width	mm	575	575	575
	Depth	mm	575	575	575
Net Weight Indoor		kg	18	18	18
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 12.70
Pipe Extension	Standard Pipe Length	m	7.5	7.5	7.5
Power Supply			Outdoor	Outdoor	Outdoor

SPECIFICATIONS - OUTDOOR

MODEL		(50Hz)	CU-3XS28RBZ	CU-4XS32RBZ
Cooling Capacity		Btu/h (Min ~ Max)	22,200 (9,550 ~ 30,700)	27,300 (9,890 ~ 35,800)
		kW (Min ~ Max)	6.50 (2.80 ~ 9.00)	8.00 (2.90 ~ 10.50)
COP		Btu/hW	15.07	15.75
		W/W	4.42	4.62
Weighted COP		W/W	4.75	5.09
Electrical Data	Voltage	V	220 - 240	220 - 240
	Running Current	A	7.30 - 6.70	8.60 - 7.90
	Power Input	W (Min ~ Max)	1,470 (520 ~ 2,750)	1,730 (560 ~ 2,770)
Sound Pressure Level	Outdoor (Hi/Lo)	(dB-A)	51	52
Maximum Current		A	15.2	19.0
Starting Current		A	7.3	8.6
Compressor Output		W	1,300	1,700
Fan Output		W	60	90
Dimensions	Height	mm	795	999
	Width	mm	875 (+95)	940
	Depth	mm	320	340
Net Weight Indoor		kg	69	76
Pipe Extension*	Chargeless Pipe Length	m	30	45
	Maximum Pipe Length	1 Room	25	25
		Total	60	70
	Maximum Elevation Length	m	15	15
	Additional Refrigerant Gas*	g/m	20	20

INVERTER MULTI-COMBINATION (CU-3XS27RKZ)

INDOOR UNIT COMBINATION		TOTAL	COOLING CAPACITY (kW)					POWER INPUT (W)		CURRENT (A)	MOISTURE REMOVAL L/H
			A	B	C	TOTAL	MIN ~ MAX	RATED	MIN ~ MAX	240V / 50Hz	
1 Room	2.8	2.8	2.80			2.80	1.70 ~ 3.40	700	380 ~ 890	3.4	1.6
	3.2	3.2	3.20			3.20	1.70 ~ 4.00	800	380 ~ 1,200	3.9	1.8
	4.0	4.0	4.00			4.00	1.70 ~ 4.80	1,180	380 ~ 1,480	5.5	2.3
	5.0	5.0	5.00			5.00	1.90 ~ 5.80	1,460	400 ~ 1,890	6.7	2.7
2 Rooms	2.8 + 2.8	5.6	2.80	2.80		5.60	1.70 ~ 6.40	1,750	420 ~ 2,530	8.0	1.6 + 1.6
	2.8 + 3.2	6.0	2.80	3.20		6.00	1.70 ~ 6.50	2,020	420 ~ 2,530	9.2	1.6 + 1.8
	2.8 + 4.0	6.8	2.47	3.53		6.00	2.50 ~ 7.30	1,820	550 ~ 3,230	8.3	1.5 + 2.0
	2.8 + 5.0	7.8	2.15	3.85		6.00	2.70 ~ 7.70	1,630	530 ~ 3,220	7.5	1.4 + 2.3
	3.2 + 3.2	6.4	3.00	3.00		6.00	2.30 ~ 7.10	1,970	570 ~ 3,250	9.0	1.7 + 1.7
	3.2 + 4.0	7.2	2.67	3.33		6.00	2.50 ~ 7.40	1,820	550 ~ 3,230	8.3	1.6 + 1.9
	3.2 + 5.0	8.2	2.34	3.66		6.00	2.80 ~ 7.70	1,630	530 ~ 3,220	7.5	1.5 + 2.1
	4.0 + 4.0	8.0	3.00	3.00		6.00	2.70 ~ 7.60	1,680	540 ~ 3,220	7.7	1.7 + 1.7
	4.0 + 5.0	9.0	2.67	3.33		6.00	2.80 ~ 7.80	1,540	530 ~ 3,210	7.1	1.6 + 1.9
	5.0 + 5.0	10.0	3.00	3.00		6.00	2.90 ~ 8.00	1,500	520 ~ 3,210	6.9	1.7 + 1.7
3 Rooms	2.8 + 2.8 + 2.8	8.4	2.00	2.00	2.00	6.00	2.40 ~ 7.60	1,500	580 ~ 3,080	6.9	1.3 + 1.3 + 1.3
	2.8 + 2.8 + 3.2	8.8	1.91	1.91	2.18	6.00	2.40 ~ 7.70	1,460	580 ~ 3,080	6.8	1.2 + 1.2 + 1.4
	2.8 + 2.8 + 4.0	9.6	1.75	1.75	2.50	6.00	2.60 ~ 8.00	1,460	600 ~ 3,170	6.8	1.1 + 1.1 + 1.5
	2.8 + 2.8 + 5.0	10.6	1.58	1.58	2.84	6.00	2.80 ~ 8.00	1,450	600 ~ 2,830	6.7	1.0 + 1.0 + 1.7
	2.8 + 3.2 + 3.2	9.2	1.82	2.09	2.09	6.00	2.40 ~ 7.70	1,460	580 ~ 3,090	6.8	1.2 + 1.4 + 1.4
	2.8 + 3.2 + 4.0	10.0	1.68	1.92	2.40	6.00	2.60 ~ 8.00	1,470	600 ~ 3,110	6.8	1.1 + 1.2 + 1.5
	2.8 + 3.2 + 5.0	11.0	1.52	1.75	2.73	6.00	2.80 ~ 8.00	1,420	600 ~ 2,830	6.6	1.0 + 1.1 + 1.6
	2.8 + 4.0 + 4.0	10.8	1.56	2.22	2.22	6.00	2.70 ~ 8.00	1,450	600 ~ 2,930	6.7	1.0 + 1.4 + 1.4
	2.8 + 4.0 + 5.0	11.8	1.42	2.03	2.55	6.00	2.80 ~ 8.00	1,420	580 ~ 2,680	6.6	0.9 + 1.3 + 1.6
	2.8 + 5.0 + 5.0	12.8	1.32	2.34	2.34	6.00	2.80 ~ 8.00	1,350	520 ~ 2,570	6.3	0.8 + 1.5 + 1.5
	3.2 + 3.2 + 3.2	9.6	2.00	2.00	2.00	6.00	2.40 ~ 7.70	1,470	590 ~ 3,100	6.8	1.3 + 1.3 + 1.3
	3.2 + 3.2 + 4.0	10.4	1.85	1.85	2.30	6.00	2.60 ~ 8.00	1,470	600 ~ 3,120	6.8	1.2 + 1.2 + 1.5
	3.2 + 3.2 + 5.0	11.4	1.68	1.68	2.64	6.00	2.80 ~ 8.00	1,420	600 ~ 2,830	6.6	1.1 + 1.1 + 1.6
	3.2 + 4.0 + 4.0	11.2	1.72	2.14	2.14	6.00	2.80 ~ 8.00	1,450	600 ~ 2,880	6.7	1.1 + 1.4 + 1.4
	3.2 + 4.0 + 5.0	12.2	1.57	1.97	2.46	6.00	2.80 ~ 8.00	1,410	580 ~ 2,680	6.5	1.0 + 1.3 + 1.5
	3.2 + 5.0 + 5.0	13.2	1.46	2.27	2.27	6.00	2.80 ~ 8.00	1,350	520 ~ 2,570	6.3	0.9 + 1.5 + 1.5
	4.0 + 4.0 + 4.0	12.0	2.00	2.00	2.00	6.00	2.80 ~ 8.00	1,420	590 ~ 2,730	6.6	1.3 + 1.3 + 1.3
	4.0 + 4.0 + 5.0	13.0	1.85	1.85	2.30	6.00	2.80 ~ 8.00	1,360	540 ~ 2,580	6.4	1.2 + 1.2 + 1.5

• Specification based on ISO 15042 standard. • A minimum of 2 indoor units must be connected. • Switchable between 8.5amp or 11amp.

INVERTER MULTI-COMBINATION (CU-3XS28RBZ)

INDOOR UNIT COMBINATION		TOTAL	COOLING CAPACITY (kW)					POWER INPUT (W)		CURRENT (A)	MOISTURE REMOVAL L/H
			A	B	C	TOTAL	MIN ~ MAX	RATED	MIN ~ MAX	240V / 50Hz	
1 Room	2.8	2.8	2.80			2.80	1.70 ~ 3.40	700	380 ~ 890	3.4	1.6
	3.2	3.2	3.20			3.20	1.70 ~ 4.00	800	380 ~ 1,200	3.9	1.8
	4.0	4.0	4.00			4.00	1.70 ~ 4.80	1,180	380 ~ 1,480	5.5	2.3
	5.0	5.0	5.00			5.00	1.90 ~ 5.80	1,460	400 ~ 1,890	6.7	2.7
	6.0	6.0	6.00			6.00	1.90 ~ 6.20	1,920	400 ~ 2,070	8.6	3.3
2 Rooms	2.8 + 2.8	5.6	2.80	2.80		5.60	1.70 ~ 6.70	1,660	420 ~ 2,270	7.5	1.6 + 1.6
	2.8 + 3.2	6.0	2.80	3.20		6.00	1.70 ~ 6.70	1,910	420 ~ 2,270	8.7	1.6 + 1.8
	2.8 + 4.0	6.8	2.68	3.82		6.50	2.50 ~ 7.60	2,030	550 ~ 2,900	9.1	1.6 + 2.2
	2.8 + 5.0	7.8	2.33	4.17		6.50	2.70 ~ 8.00	1,840	530 ~ 2,890	8.3	1.5 + 2.4
	2.8 + 6.0	8.8	2.07	4.43		6.50	2.70 ~ 8.00	1,840	530 ~ 2,890	8.3	1.3 + 2.5
	3.2 + 3.2	6.4	3.20	3.20		6.40	2.30 ~ 7.40	2,180	570 ~ 2,920	9.8	1.8 + 1.8
	3.2 + 4.0	7.2	2.89	3.61		6.50	2.50 ~ 7.70	2,030	550 ~ 2,900	9.1	1.7 + 2.1
	3.2 + 5.0	8.2	2.54	3.96		6.50	2.80 ~ 8.00	1,840	530 ~ 2,880	8.3	1.6 + 2.3
	3.2 + 6.0	9.2	2.26	4.24		6.50	2.80 ~ 8.00	1,840	530 ~ 2,880	8.3	1.5 + 2.4
	4.0 + 4.0	8.0	3.25	3.25		6.50	2.70 ~ 7.90	1,880	540 ~ 2,890	8.5	1.8 + 1.8
	4.0 + 5.0	9.0	2.89	3.61		6.50	2.80 ~ 8.10	1,750	530 ~ 2,880	7.9	1.7 + 2.1
	4.0 + 6.0	10.0	2.60	3.90		6.50	2.80 ~ 8.10	1,750	530 ~ 2,880	7.9	1.6 + 2.3
	5.0 + 5.0	10.0	3.25	3.25		6.50	2.90 ~ 8.30	1,660	520 ~ 2,880	7.5	1.8 + 1.8
	5.0 + 6.0	11.0	2.95	3.55		6.50	2.90 ~ 8.30	1,660	520 ~ 2,880	7.5	1.7 + 2.1
	6.0 + 6.0	12.0	3.25	3.25		6.50	2.90 ~ 8.30	1,660	520 ~ 2,880	7.5	1.8 + 1.8
3 Rooms	2.8 + 2.8 + 2.8	8.4	2.16	2.16	2.16	6.48	2.40 ~ 7.90	1,610	580 ~ 2,760	7.3	1.4 + 1.4 + 1.4
	2.8 + 2.8 + 3.2	8.8	2.07	2.07	2.36	6.50	2.40 ~ 8.00	1,570	580 ~ 2,770	7.2	1.3 + 1.3 + 1.5
	2.8 + 2.8 + 4.0	9.6	1.90	1.90	2.70	6.50	2.60 ~ 8.40	1,580	600 ~ 2,840	7.2	1.2 + 1.2 + 1.6
	2.8 + 2.8 + 5.0	10.6	1.72	1.72	3.06	6.50	2.80 ~ 8.80	1,570	600 ~ 2,920	7.2	1.1 + 1.1 + 1.7
	2.8 + 2.8 + 6.0	11.6	1.57	1.57	3.36	6.50	2.80 ~ 8.80	1,570	600 ~ 2,920	7.2	1.0 + 1.0 + 1.9
	2.8 + 3.2 + 3.2	9.2	1.98	2.26	2.26	6.50	2.40 ~ 8.00	1,580	580 ~ 2,770	7.2	1.3 + 1.5 + 1.5
	2.8 + 3.2 + 4.0	10.0	1.82	2.08	2.60	6.50	2.60 ~ 8.40	1,580	600 ~ 2,850	7.2	1.2 + 1.3 + 1.6
	2.8 + 3.2 + 5.0	11.0	1.65	1.89	2.96	6.50	2.80 ~ 8.80	1,530	600 ~ 2,920	7.0	1.1 + 1.2 + 1.7
	2.8 + 3.2 + 6.0	12.0	1.52	1.73	3.25	6.50	2.80 ~ 8.80	1,530	600 ~ 2,920	7.0	1.0 + 1.1 + 1.8
	2.8 + 4.0 + 4.0	10.8	1.68	2.41	2.41	6.50	2.70 ~ 8.70	1,570	600 ~ 2,910	7.2	1.1 + 1.5 + 1.5
	2.8 + 4.0 + 5.0	11.8	1.54	2.20	2.76	6.50	2.80 ~ 9.00	1,540	580 ~ 2,960	7.1	1.0 + 1.4 + 1.6
	2.8 + 4.0 + 6.0	12.8	1.42	2.03	3.05	6.50	2.80 ~ 9.00	1,540	580 ~ 2,960	7.1	0.9 + 1.3 + 1.7
	2.8 + 5.0 + 5.0	12.8	1.42	2.54	2.54	6.50	2.80 ~ 9.00	1,480	520 ~ 2,750	6.8	0.9 + 1.6 + 1.6
	3.2 + 3.2 + 3.2	9.6	2.16	2.16	2.16	6.48	2.40 ~ 8.00	1,580	590 ~ 2,780	7.2	1.4 + 1.4 + 1.4
	3.2 + 3.2 + 4.0	10.4	2.00	2.00	2.50	6.50	2.60 ~ 8.40	1,580	600 ~ 2,850	7.2	1.3 + 1.3 + 1.5
	3.2 + 3.2 + 5.0	11.4	1.82	1.82	2.86	6.50	2.80 ~ 8.80	1,530	600 ~ 2,930	7.0	1.2 + 1.2 + 1.7
	3.2 + 3.2 + 6.0	12.4	1.68	1.68	3.14	6.50	2.80 ~ 8.80	1,530	600 ~ 2,930	7.0	1.1 + 1.1 + 1.8
	3.2 + 4.0 + 4.0	11.2	1.86	2.32	2.32	6.50	2.80 ~ 8.70	1,570	600 ~ 2,910	7.2	1.2 + 1.5 + 1.5
	3.2 + 4.0 + 5.0	12.2	1.70	2.13	2.67	6.50	2.80 ~ 9.00	1,540	580 ~ 2,960	7.1	1.1 + 1.4 + 1.6
	3.2 + 4.0 + 6.0	13.2	1.58	1.97	2.95	6.50	2.80 ~ 9.00	1,540	580 ~ 2,960	7.1	1.0 + 1.3 + 1.7
	3.2 + 5.0 + 5.0	13.2	1.58	2.46	2.46	6.50	2.80 ~ 9.00	1,470	520 ~ 2,750	6.7	1.0 + 1.5 + 1.5
	4.0 + 4.0 + 4.0	12.0	2.16	2.16	2.16	6.48	2.80 ~ 9.00	1,540	590 ~ 2,950	7.1	1.4 + 1.4 + 1.4
	4.0 + 4.0 + 5.0	13.0	2.00	2.00	2.50	6.50	2.80 ~ 9.00	1,480	540 ~ 2,750	6.8	1.3 + 1.3 + 1.5

• Specification based on ISO 15042 standard. • A minimum of 2 indoor units must be connected. • Switchable between 8.5amp or 11amp.

Inverter Multi-Combination Type

INVERTER MULTI-COMBINATION (CU-4XS32RBZ)

INDOOR UNIT COMBINATION		TOTAL	COOLING CAPACITY (kW)						POWER INPUT (W)		CURRENT (A)	MOISTURE REMOVAL L/H
			A	B	C	D	TOTAL	MIN ~ MAX	RATED	MIN ~ MAX	240V / 50Hz	
1 Room	2.8	2.8	2.80				2.80	1.70 ~ 3.40	700	380 ~ 890	3.4	1.6
	3.2	3.2	3.20				3.20	1.70 ~ 4.00	800	380 ~ 1,200	3.9	1.8
	4.0	4.0	4.00				4.00	1.70 ~ 4.80	1,180	380 ~ 1,480	5.5	2.3
	5.0	5.0	5.00				5.00	1.90 ~ 5.80	1,460	400 ~ 1,890	6.7	2.7
	6.0	6.0	6.00				6.00	1.90 ~ 6.20	1,920	400 ~ 2,070	8.6	3.3
2 Rooms	2.8 + 2.8	5.6	2.80	2.80			5.60	2.40 ~ 5.80	1,440	300 ~ 1,600	6.6	1.6 + 1.6
	2.8 + 3.2	6.0	2.80	3.20			6.00	2.40 ~ 6.70	1,580	300 ~ 2,080	7.2	1.6 + 1.8
	2.8 + 4.0	6.8	2.80	4.00			6.80	2.40 ~ 7.20	2,050	300 ~ 2,430	9.2	1.6 + 2.3
	2.8 + 5.0	7.8	2.80	5.00			7.80	2.40 ~ 8.40	2,340	280 ~ 2,890	10.5	1.6 + 2.7
	2.8 + 6.0	8.8	2.55	5.45			8.00	2.50 ~ 8.40	2,460	310 ~ 2,890	11.1	1.6 + 2.9
	3.2 + 3.2	6.4	3.20	3.20			6.40	2.40 ~ 7.20	1,730	290 ~ 2,310	7.9	1.8 + 1.8
	3.2 + 4.0	7.2	3.20	4.00			7.20	2.40 ~ 7.90	2,220	290 ~ 2,880	10.0	1.8 + 2.3
	3.2 + 5.0	8.2	3.12	4.88			8.00	2.50 ~ 8.60	2,340	310 ~ 2,890	10.5	1.8 + 2.7
	3.2 + 6.0	9.2	2.78	5.22			8.00	2.50 ~ 8.60	2,340	310 ~ 2,890	10.5	1.6 + 2.9
	4.0 + 4.0	8.0	4.00	4.00			8.00	2.50 ~ 8.10	2,830	320 ~ 3,010	12.7	2.3 + 2.3
	4.0 + 5.0	9.0	3.56	4.44			8.00	2.50 ~ 8.60	2,340	310 ~ 2,890	10.5	2.1 + 2.5
	4.0 + 6.0	10.0	3.20	4.80			8.00	2.50 ~ 8.60	2,340	310 ~ 2,890	10.5	1.8 + 2.6
	5.0 + 5.0	10.0	4.00	4.00			8.00	2.50 ~ 9.20	2,050	300 ~ 2,900	9.2	2.3 + 2.3
	5.0 + 6.0	11.0	3.64	4.36			8.00	2.50 ~ 9.20	2,050	300 ~ 2,900	9.2	2.1 + 2.4
	6.0 + 6.0	12.0	4.00	4.00			8.00	2.50 ~ 9.20	2,050	300 ~ 2,900	9.2	2.3 + 2.3
3 Rooms	2.8 + 2.8 + 2.8	8.4	2.66	2.66	2.66		7.98	2.90 ~ 9.30	2,160	360 ~ 3,170	9.7	1.6 + 1.6 + 1.6
	2.8 + 2.8 + 3.2	8.8	2.55	2.55	2.90		8.00	2.90 ~ 9.40	2,100	390 ~ 3,180	9.5	1.6 + 1.6 + 1.7
	2.8 + 2.8 + 4.0	9.6	2.33	2.33	3.33		7.99	2.90 ~ 9.50	2,100	390 ~ 3,180	9.5	1.5 + 1.5 + 1.9
	2.8 + 2.8 + 5.0	10.6	2.11	2.11	3.77		7.99	2.90 ~ 10.0	1,870	390 ~ 3,180	8.4	1.4 + 1.4 + 2.2
	2.8 + 2.8 + 6.0	11.6	1.93	1.93	4.14		8.00	2.90 ~ 10.0	1,870	390 ~ 3,180	8.4	1.2 + 1.2 + 2.4
	2.8 + 3.2 + 3.2	9.2	2.43	2.78	2.78		7.99	2.90 ~ 9.50	2,050	390 ~ 3,110	9.2	1.5 + 1.6 + 1.6
	2.8 + 3.2 + 4.0	10.0	2.24	2.56	3.20		8.00	2.90 ~ 9.60	2,050	390 ~ 3,180	9.2	1.5 + 1.6 + 1.8
	2.8 + 3.2 + 5.0	11.0	2.03	2.33	3.64		8.00	2.90 ~ 10.10	1,870	390 ~ 3,180	8.4	1.3 + 1.5 + 2.1
	2.8 + 3.2 + 6.0	12.0	1.87	2.13	4.00		8.00	2.90 ~ 10.10	1,870	390 ~ 3,180	8.4	1.2 + 1.4 + 2.3
	2.8 + 4.0 + 4.0	10.8	2.08	2.96	2.96		8.00	2.90 ~ 9.60	2,050	390 ~ 3,180	9.2	1.3 + 1.7 + 1.7
	2.8 + 4.0 + 5.0	11.8	1.90	2.71	3.39		8.00	2.90 ~ 10.10	1,870	390 ~ 3,180	8.4	1.2 + 1.6 + 1.9
	2.8 + 4.0 + 6.0	12.8	1.75	2.50	3.75		8.00	2.90 ~ 10.10	1,870	390 ~ 3,180	8.4	1.1 + 1.5 + 2.2
	2.8 + 5.0 + 5.0	12.8	1.74	3.13	3.13		8.00	2.90 ~ 10.50	1,760	430 ~ 3,110	7.9	1.1 + 1.8 + 1.8
	2.8 + 5.0 + 6.0	13.8	1.62	2.90	3.48		8.00	2.90 ~ 10.50	1,760	430 ~ 3,110	7.9	1.0 + 1.7 + 2.0
	2.8 + 6.0 + 6.0	14.8	1.52	3.24	3.24		8.00	2.90 ~ 10.50	1,760	430 ~ 3,110	7.9	1.0 + 1.8 + 1.8
	3.2 + 3.2 + 3.2	9.6	2.67	2.67	2.66		8.00	2.90 ~ 9.70	1,990	390 ~ 3,180	9.0	1.6 + 1.6 + 1.6
	3.2 + 3.2 + 4.0	10.4	2.46	2.46	3.08		8.00	2.90 ~ 9.70	1,990	390 ~ 3,180	9.0	1.5 + 1.5 + 1.7
	3.2 + 3.2 + 5.0	11.4	2.25	2.25	3.50		8.00	2.90 ~ 10.20	1,820	390 ~ 3,180	8.2	1.5 + 1.5 + 2.0
	3.2 + 3.2 + 6.0	12.4	2.06	2.06	3.88		8.00	2.90 ~ 10.20	1,820	390 ~ 3,180	8.2	1.3 + 1.3 + 2.3
	3.2 + 4.0 + 4.0	11.2	2.28	2.86	2.86		8.00	2.90 ~ 9.70	1,990	390 ~ 3,180	9.0	1.5 + 1.7 + 1.7
	3.2 + 4.0 + 5.0	12.2	2.10	2.62	3.28		8.00	2.90 ~ 10.20	1,820	420 ~ 3,180	8.2	1.4 + 1.6 + 1.9
	3.2 + 4.0 + 6.0	13.2	1.94	2.42	3.64		8.00	2.90 ~ 10.20	1,820	420 ~ 3,180	8.2	1.3 + 1.5 + 2.1
	3.2 + 5.0 + 5.0	13.2	1.94	3.03	3.03		8.00	2.90 ~ 10.50	1,760	460 ~ 3,040	7.9	1.3 + 1.7 + 1.7
	3.2 + 5.0 + 6.0	14.2	1.80	2.82	3.38		8.00	2.90 ~ 10.50	1,760	460 ~ 3,040	7.9	1.2 + 1.7 + 1.9
	3.2 + 6.0 + 6.0	15.2	1.68	3.16	3.16		8.00	2.90 ~ 10.50	1,760	460 ~ 3,040	7.9	1.1 + 1.8 + 1.8
	4.0 + 4.0 + 4.0	12.0	2.66	2.66	2.66		7.98	2.90 ~ 9.70	1,990	390 ~ 3,110	9.0	1.6 + 1.6 + 1.6
	4.0 + 4.0 + 5.0	13.0	2.46	2.46	3.08		8.00	2.90 ~ 10.30	1,820	420 ~ 3,180	8.2	1.5 + 1.5 + 1.7
	4.0 + 4.0 + 6.0	14.0	2.29	2.29	3.42		8.00	2.90 ~ 10.30	1,820	420 ~ 3,180	8.2	1.5 + 1.5 + 2.0
	4.0 + 5.0 + 5.0	14.0	2.28	2.86	2.86		8.00	2.90 ~ 10.50	1,760	460 ~ 3,040	7.9	1.5 + 1.7 + 1.7
	4.0 + 5.0 + 6.0	15.0	2.13	2.67	3.20		8.00	2.90 ~ 10.50	1,760	460 ~ 3,040	7.9	1.4 + 1.6 + 1.8
	5.0 + 5.0 + 5.0	15.0	2.66	2.66	2.66		7.98	2.90 ~ 10.50	1,720	510 ~ 2,830	7.8	1.6 + 1.6 + 1.6

• Specification based on JIS C 9612 standard. • A minimum of 2 indoor units must be connected. • Switchable between 8.5amp or 11amp.

Inverter Multi-Combination Type

INDOOR UNIT COMBINATION		TOTAL	COOLING CAPACITY (kW) A	B	C	D	TOTAL	MIN ~ MAX	POWER INPUT (W) RATED	MIN ~ MAX	CURRENT (A) 240V / 50Hz	MOISTURE REMOVAL L/H
	2.8 + 2.8 + 2.8 + 2.8	11.2	2.00	2.00	2.00	2.00	8.00	2.90 ~ 10.50	1,820	420 ~ 3,250	8.2	1.3 + 1.3 + 1.3 + 1.3
	2.8 + 2.8 + 2.8 + 3.2	11.6	1.93	1.93	1.93	2.21	8.00	2.90 ~ 10.50	1,760	420 ~ 3,180	7.9	1.2 + 1.2 + 1.2 + 1.4
	2.8 + 2.8 + 2.8 + 4.0	12.4	1.81	1.81	1.81	2.57	8.00	2.90 ~ 10.50	1,760	430 ~ 3,180	7.9	1.2 + 1.2 + 1.2 + 1.6
	2.8 + 2.8 + 2.8 + 5.0	13.4	1.67	1.67	1.67	2.99	8.00	2.90 ~ 10.50	1,710	470 ~ 2,900	7.8	1.1 + 1.1 + 1.1 + 1.7
	2.8 + 2.8 + 2.8 + 6.0	14.4	1.56	1.56	1.56	3.32	8.00	2.90 ~ 10.50	1,710	470 ~ 2,900	7.8	1.0 + 1.0 + 1.0 + 1.9
	2.8 + 2.8 + 3.2 + 3.2	12.0	1.87	1.87	2.13	2.13	8.00	2.90 ~ 10.50	1,760	430 ~ 3,110	7.9	1.2 + 1.2 + 1.4 + 1.4
	2.8 + 2.8 + 3.2 + 4.0	12.8	1.75	1.75	2.00	2.50	8.00	2.90 ~ 10.50	1,760	430 ~ 3,110	7.9	1.1 + 1.1 + 1.3 + 1.5
	2.8 + 2.8 + 3.2 + 5.0	13.8	1.62	1.62	1.86	2.90	8.00	2.90 ~ 10.50	1,720	500 ~ 2,900	7.8	1.0 + 1.0 + 1.2 + 1.7
	2.8 + 2.8 + 3.2 + 6.0	14.8	1.51	1.51	1.73	3.25	8.00	2.90 ~ 10.50	1,720	500 ~ 2,900	7.8	1.0 + 1.0 + 1.1 + 1.8
	2.8 + 2.8 + 4.0 + 4.0	13.6	1.65	1.65	2.35	2.35	8.00	2.90 ~ 10.50	1,760	430 ~ 3,110	7.9	1.1 + 1.1 + 1.5 + 1.5
	2.8 + 2.8 + 4.0 + 5.0	14.6	1.53	1.53	2.19	2.75	8.00	2.90 ~ 10.50	1,720	500 ~ 2,900	7.8	1.0 + 1.0 + 1.4 + 1.6
	2.8 + 2.8 + 4.0 + 6.0	15.6	1.44	1.44	2.04	3.08	8.00	2.90 ~ 10.50	1,720	500 ~ 2,900	7.8	0.9 + 0.9 + 1.3 + 1.7
	2.8 + 2.8 + 5.0 + 5.0	15.6	1.44	1.44	2.56	2.56	8.00	2.90 ~ 10.50	1,730	560 ~ 2,770	7.9	0.9 + 0.9 + 1.6 + 1.6
4 Rooms	2.8 + 3.2 + 3.2 + 3.2	12.4	1.82	2.06	2.06	2.06	8.00	2.90 ~ 10.50	1,760	460 ~ 3,040	7.9	1.2 + 1.3 + 1.3 + 1.3
	2.8 + 3.2 + 3.2 + 4.0	13.2	1.70	1.94	1.94	2.42	8.00	2.90 ~ 10.50	1,760	460 ~ 3,040	7.9	1.1 + 1.3 + 1.3 + 1.5
	2.8 + 3.2 + 3.2 + 5.0	14.2	1.58	1.80	1.80	2.82	8.00	2.90 ~ 10.50	1,720	510 ~ 2,830	7.8	1.0 + 1.2 + 1.2 + 1.7
	2.8 + 3.2 + 3.2 + 6.0	15.2	1.47	1.68	1.68	3.17	8.00	2.90 ~ 10.50	1,720	510 ~ 2,830	7.8	0.9 + 1.1 + 1.1 + 1.8
	2.8 + 3.2 + 4.0 + 4.0	14.0	1.59	1.83	2.29	2.29	8.00	2.90 ~ 10.50	1,760	460 ~ 3,040	7.9	1.0 + 1.2 + 1.5 + 1.5
	2.8 + 3.2 + 4.0 + 5.0	15.0	1.49	1.71	2.13	2.67	8.00	2.90 ~ 10.50	1,720	510 ~ 2,830	7.8	0.9 + 1.1 + 1.4 + 1.6
	2.8 + 4.0 + 4.0 + 4.0	14.8	1.52	2.16	2.16	2.16	8.00	2.90 ~ 10.50	1,710	460 ~ 3,040	7.8	1.0 + 1.4 + 1.4 + 1.4
	3.2 + 3.2 + 3.2 + 3.2	12.8	2.00	2.00	2.00	2.00	8.00	2.90 ~ 10.50	1,710	460 ~ 3,040	7.8	1.3 + 1.3 + 1.3 + 1.3
	3.2 + 3.2 + 3.2 + 4.0	13.6	1.88	1.88	1.88	2.36	8.00	2.90 ~ 10.50	1,710	460 ~ 2,970	7.8	1.2 + 1.2 + 1.2 + 1.5
	3.2 + 3.2 + 3.2 + 5.0	14.6	1.75	1.75	1.75	2.75	8.00	2.90 ~ 10.50	1,720	510 ~ 2,840	7.8	1.1 + 1.1 + 1.1 + 1.6
	3.2 + 3.2 + 3.2 + 6.0	15.6	1.64	1.64	1.64	3.08	8.00	2.90 ~ 10.50	1,720	510 ~ 2,840	7.8	1.0 + 1.0 + 1.0 + 1.7
	3.2 + 3.2 + 4.0 + 4.0	14.4	1.78	1.78	2.22	2.22	8.00	2.90 ~ 10.50	1,710	460 ~ 2,970	7.8	1.1 + 1.1 + 1.4 + 1.4
	3.2 + 3.2 + 4.0 + 5.0	15.4	1.66	1.66	2.08	2.60	8.00	2.90 ~ 10.50	1,720	510 ~ 2,840	7.8	1.1 + 1.1 + 1.3 + 1.6
	3.2 + 4.0 + 4.0 + 4.0	15.2	1.67	2.11	2.11	2.11	8.00	2.90 ~ 10.50	1,710	460 ~ 2,970	7.8	1.1 + 1.4 + 1.4 + 1.4

• Specification based on JIS C 9612 standard.

• A minimum of 2 indoor units must be connected.

• Switchable between 8.5amp or 11amp.

FEATURES COMPARISON

Split Type	Inverter Deluxe		Inverter Deluxe Multi-Split	Inverter Multi-Combination	
	Wall-Mounted				Mini Cassette
Cooling Models	CS-X9RKZW CS-X12RKZW	CS-X18RKZW CS-X24RKZW CS-X28RKZ	CS-X9RKZW CS-X12RKZW CS-X15RKZW CS-X18RKZW	CS-X9RKZW CS-X12RKZW CS-X15RKZW CS-X18RKZW CS-X24RKZW	CS-S12MB4ZW CS-S18MB4ZW CS-S24MB4ZW
COMFORT					
ECONAVI	●	●	●	●	
Temperature Wave	●	●	●	●	
AUTOCOMFORT	●	●	●	●	
Inverter Control	●	●	●	●	●
Quiet Mode	●	●	●	●	●
Powerful Mode	●	●	●	●	●
Soft Dry Operation Mode	●	●	●	●	●
Personal Airflow Creation	●	●	●	●	
Airflow Direction Control (Up & Down)					●
Automatic Operation Mode (Cooling)	●	●	●	●	●
CLEANER AIR					
nanoe-G	●	●	●	●	
Odour-Removing Function	●	●	●	●	●
Removable, Washable Panel	●	●	●	●	●
Anti-Mould, One-Touch Air Filter					●
CONVENIENCE					
24-Hour Dual ON & OFF Real Setting Timer	●	●	●	●	
24-Hour ON & OFF Real Setting Timer					●
LCD Wireless Remote Control	●	●	●	●	●
Wired Remote Control	● (Optional)	● (Optional)	● (Optional)	● (Optional)	
RELIABILITY					
Random Auto Restart (32 Restart Patterns)	●	●	●	●	●
Blue Fin Condenser	●	●	●	●	●
Long Piping (Numbers indicate the maximum pipe length)	15m	20m (XS18/XS24) 30m (XS28)	**refer page 12	**refer page 18	**refer page 18
Top-Panel Maintenance Access	●	●	●	●	●
Self-Diagnostic Function	●	●	●	●	●

FEATURES EXPLANATION

COMFORT

ECONAVI
Detects and reduces waste for more energy savings.

TEMPERATURE WAVE
Rhythmic temperature-controlled pattern to save energy without sacrificing comfort.

AUTOCOMFORT
Detects high activity levels and adjusts cooling power to improve comfort.

INVERTER CONTROL
Varies the rotation speed of the compressor for higher energy savings.

QUIET MODE

POWERFUL MODE

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.

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.

AIRFLOW DIRECTION CONTROL (UP & DOWN)

AUTOMATIC OPERATION MODE (COOLING)

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.

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.

REMOVABLE, WASHABLE PANEL

ONE-TOUCH AIR FILTER

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

WIRED REMOTE CONTROL

RELIABILITY

RANDOM AUTO RESTART (Random)

BLUE FIN CONDENSER

LONG PIPING

TOP-PANEL MAINTENANCE ACCESS

SELF-DIAGNOSTIC FUNCTION
Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows for quicker servicing.

OPTIONAL ACCESSORIES

■ PIPE SIZE REDUCER		■ PIPE SIZE EXPANDER	■ REMOTE CONTROL
Use at the indoor unit's connection port		Use at the outdoor unit's connection port	Wired Remote Control
			
CZ-MA1P	CZ-MA3P	CZ-MA2P	CZ-RD514C
CS-XS12RKZW, CS-XS15RKZW, CS-XS18RKZW, CS-S12MB4ZW, CS-S18MB4ZW, CS-ME18PD3EA	CS-XS24RKZW, CS-S24MB4ZW	CS-XS24RKZW, CS-S24MB4ZW	CS-XS9RKZW, CS-XS12RKZW, CS-XS18RKZW, CS-XS24RKZW, CS-XS28RKZ

BIGGER, BETTER, EASIER.

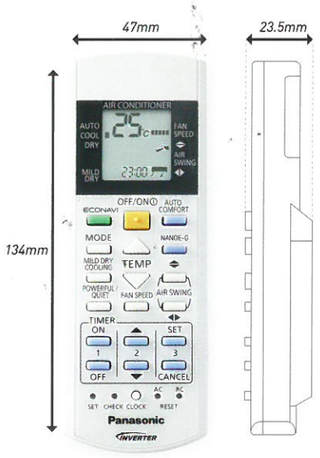
Our new remote control is designed with your needs in mind. Now you can easily operate your air conditioner quicker.

BIGGER

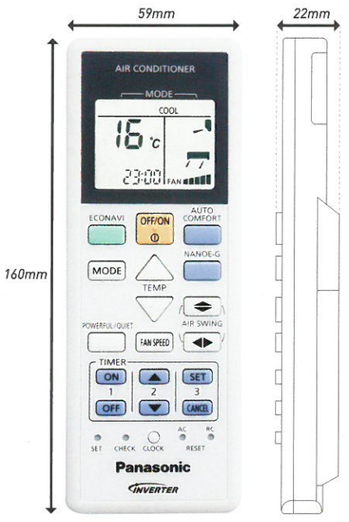
The larger remote control fits ergonomically in your palm and makes it easier to read and activate any button on the remote control.

PKZ (2014)

Scale Ratio
1 : 1.3

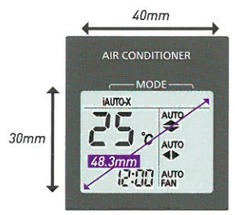


RKZ (2015)



BETTER

A larger LCD screen allows for better visibility of icons.



EASIER

The extra large buttons are easy to use and see. This makes it easier to push any button on the remote control.

** Applicable to PREMIUM INVERTER & Deluxe non-Inverter only.*

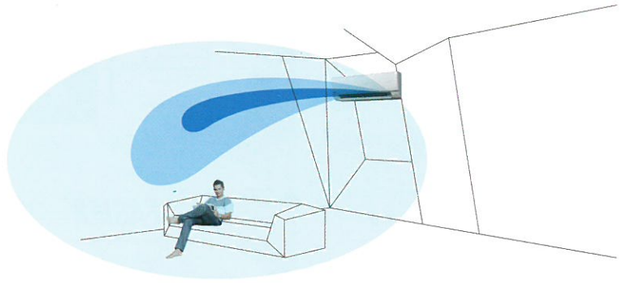
HOW DOES SHOWER COOLING WORK?

DISPERSED AIRFLOW

AEROWINGS automatically adjusts the inner and outer flap so that airflow is directed upwards along the ceiling.

SHOWER COOLING

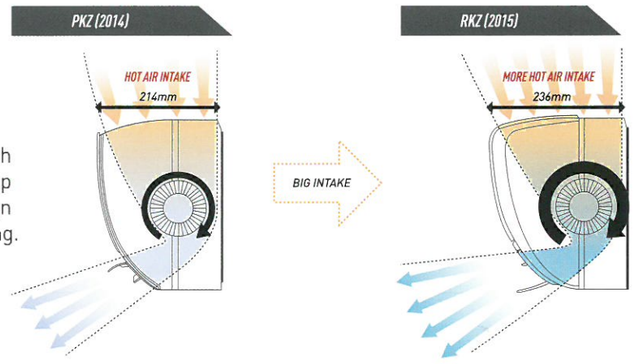
Cool air then showers down naturally and spreads over a wider area of room.



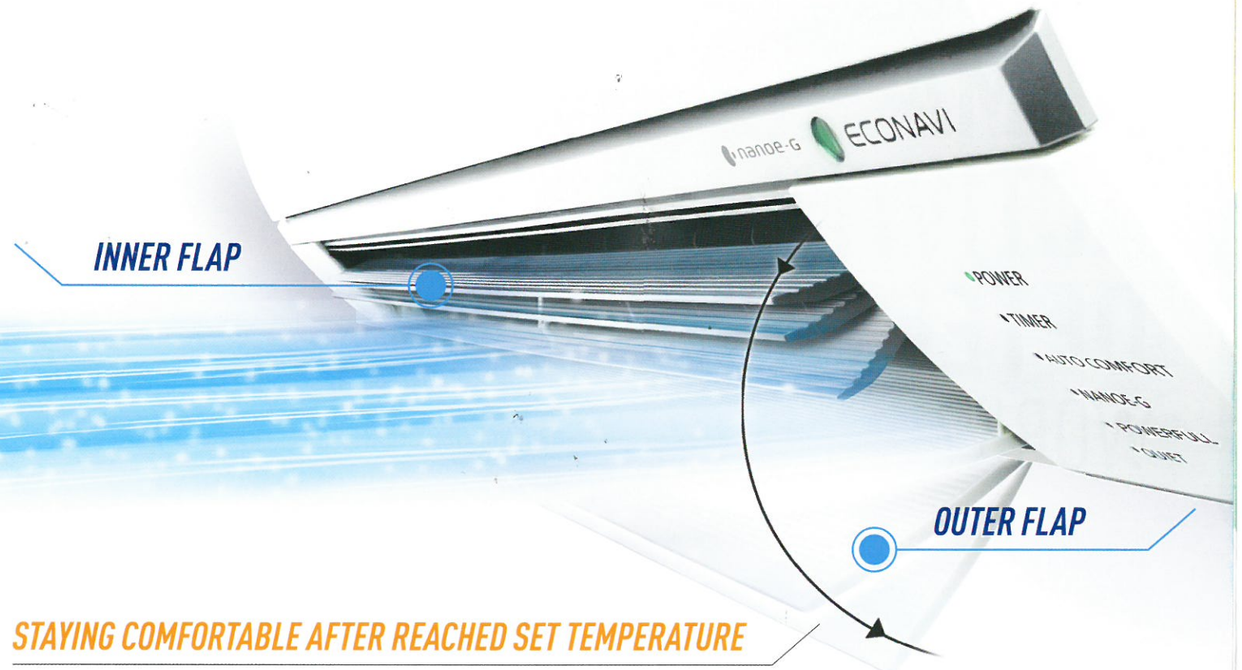
NEW DESIGN

BIGGER INTAKE

Panasonic Air Conditioners feature a new intake grille which is 22 mm wider and improved indoor fan speed that goes up to a super-high fan speed at start up. The new chassis design generates bigger air volume that contributes to faster cooling.



NEW AEROWINGS



STAYING COMFORTABLE AFTER REACHED SET TEMPERATURE

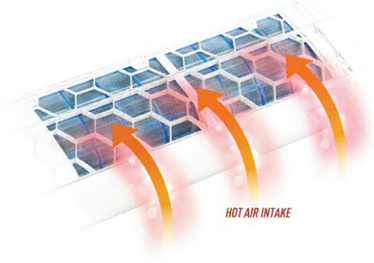
After reaching set temperature, the twin flaps direct airflow towards the ceiling activating the Shower Cooling effect for more comfortable cooling.

CONTINUOUS DIRECT AIRFLOW AFTER REACHING SET TEMPERATURE

If direct airflow continues, you may start to feel too cold.

INDIRECT AIRFLOW AFTER REACHING SET TEMPERATURE

After reaching the set temperature, the twin flaps direct air towards the ceiling to create the Shower Cooling effect. Then, Human Activity Sensor detects the level of activity to keep you comfortable.



HONEYCOMB INTAKE GRILLE

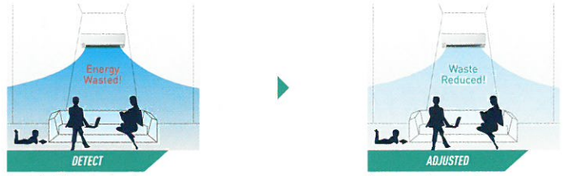
New Honeycomb Intake Grille has a wider opening to increase the suction of hot air from the room so that the room can be cooled faster. The stronger honeycomb structure also offers the air conditioner better protection.

HOW DOES **HUMAN ACTIVITY DETECTION** WORK?

ECONAVI monitors activity and room conditions to detect where energy is normally wasted, then adjusts cooling power accordingly. With Intelligent Eco Sensors, it adjusts to changes in human movement, activity levels, absence and sunlight intensity. With a touch of a button, 5 energy saving features get activated:

ACTIVITY DETECTION

ECONAVI detects changes in activity levels and reduces the waste of cooling with unnecessary power.

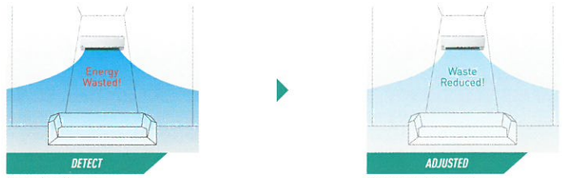


Level of activity is decreased. Detects low activity.

Reduces cooling power by an amount equivalent to increasing the set temperature by 1 degree Celsius.

ABSENCE DETECTION

ECONAVI detects human absence in the room and reduces the waste of cooling an empty room.

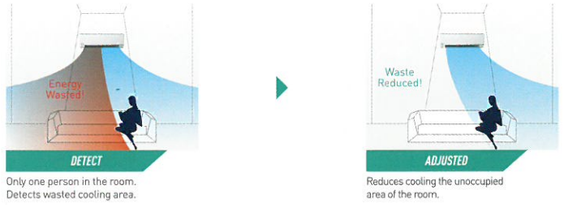


No one is in the room. Detects absence.

Gradually reduces cooling power by an amount equivalent to increasing the set temperature by 2 degrees Celsius.

AREA SEARCH

ECONAVI detects changes in human movements and reduces the waste of cooling the unoccupied area of the room.

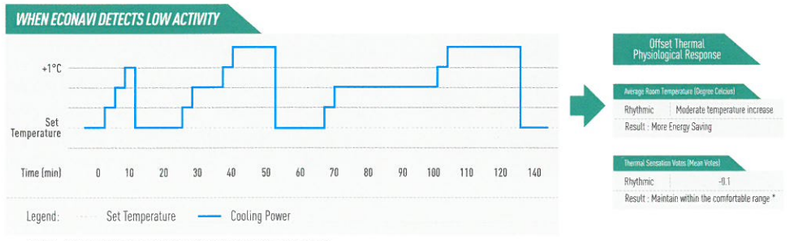


Only one person in the room. Detects wasted cooling area.

Reduces cooling the unoccupied area of the room.

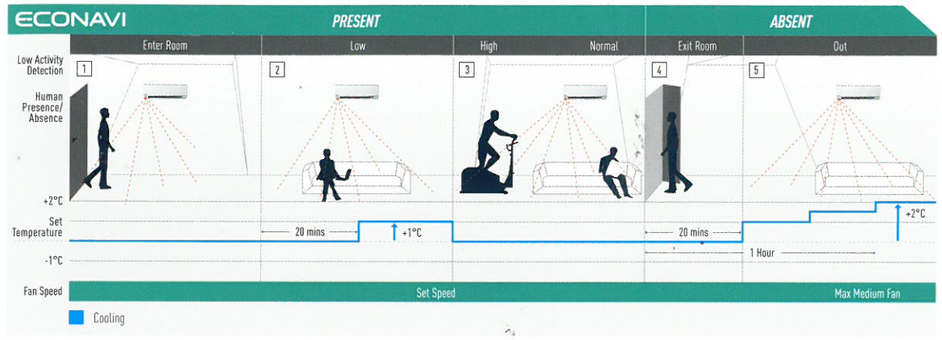
TEMPERATURE WAVE

ECONAVI with Temperature Wave incorporates a unique pattern of Temperature Shifting Control to realise even more energy savings without sacrificing comfort.



Remark: Set temperature on remote control display remains unchanged.
Temperature Wave is only applicable to Inverter deluxe cooling models.
Temperature Wave works either in ECONAVI or Autocomfort mode during low activity.

HOW DOES ECONAVI HUMAN ACTIVITY WORK?



Remark: Set temperature on remote control display remains unchanged.

HUMAN ACTIVITY SENSOR

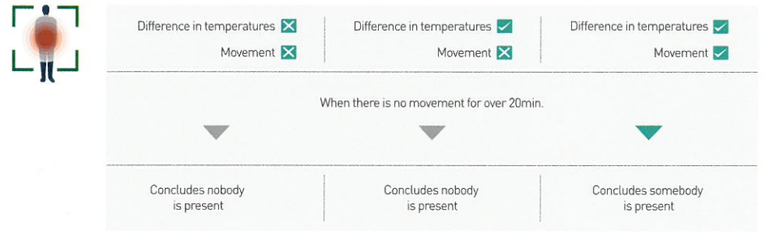
ECONAVI DUAL SENSOR

ECONAVI dual sensor consists of High Precision Sensor and Fresnel Lens. These sensors can detect wasted energy and automatically select an optimum energy-saving operation based on 5 factors – Activity Detection, Absence Detection, Area Search, Temperature Wave and Sunlight Detection.

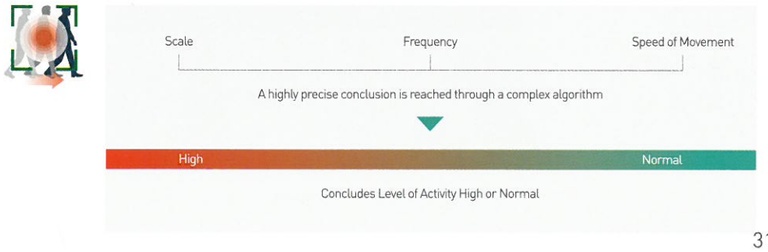
High Precision Sensor
This high precision sensor analyses and judges the detected infrared ray reaction.

Fresnel Lens
This optimal design directs the infrared rays from the entire room to the sensor.

DETECTING HUMAN PRESENCE



DETERMINING THE LEVEL OF HUMAN ACTIVITY

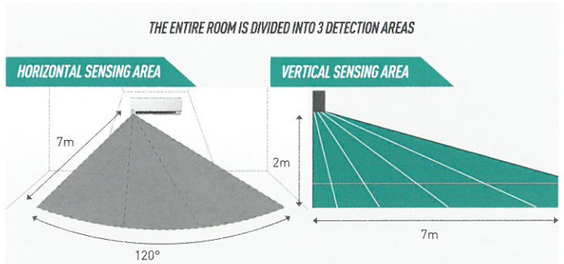


HIGH-PRECISION SENSING

All objects emit infrared rays, which although invisible, can be detected as heat by ECONAVI's Human Activity Sensor if it is within the detection zone. When an object moves within its detection zone, ECONAVI compares the object's temperature with the room temperature to determine if it is human, and level of activity based on its movement.

COVERAGE CAPABILITIES

Human Activity Sensor covers a wider area due to its improved area detection function.



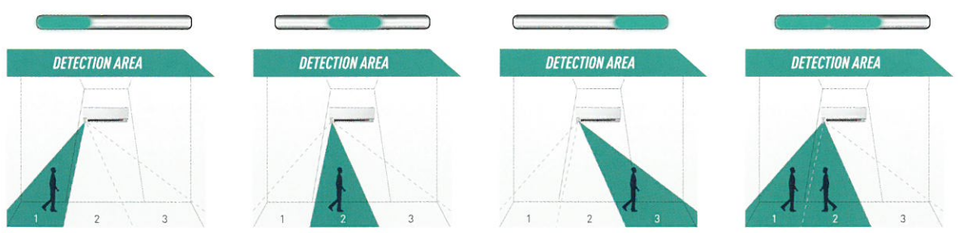
Remark: Applicable for dual sensor.

DIFFERENTIATING OBJECTS

OBJECTS	DIFFERENCE IN TEMPERATURE	+ MOVEMENT	DETECTION
Eletrical Products	☑	☒	Concludes it is not human
Small Insects	☑	☑	Concludes it is not human Both changes may be detected, but they are too small to have any effect on the sensor.
A Rolling Ball	☒	☑	Concludes it is not human
Pets	☑	☑	Concludes it is not human* From the difference in temperatures and the nature of the object's movement, ECONAVI can determine if it's human*. *The sensor may deem pets as humans, unless it moves within the detection zone at speeds that are not humanly possible.

SENSOR DETECTION PRINCIPLE

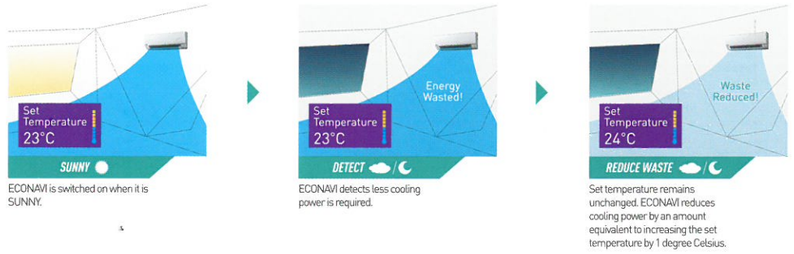
Human Activity Sensor detects human activity level and directs airflow to occupied or high activity zone. LED indicators indicating ECONAVI is detecting and functioning.



Remark: When detecting any change in movements, there will be a time delay between the LED indicator lighting up and a change of airflow direction. This is to avoid over-sensitive louver movements which will not contribute to energy savings.

HOW DOES SUNLIGHT DETECTION WORK?

ECONAVI detects changes in sunlight intensity in the room and judges whether it is sunny or cloudy/night. It reduces the waste of cooling under less sunlight conditions.



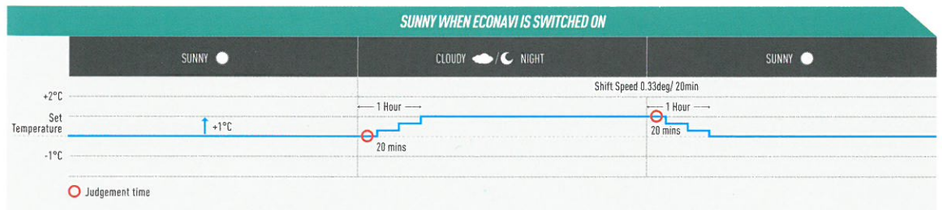
ECONAVI is switched on when it is SUNNY.

ECONAVI detects less cooling power is required.

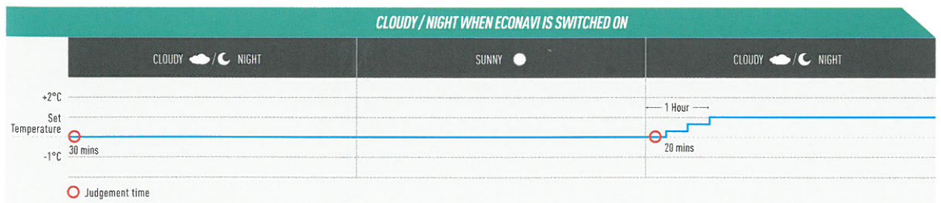
Set temperature remains unchanged. ECONAVI reduces cooling power by an amount equivalent to increasing the set temperature by 1 degree Celsius.

When weather changes from sunny to cloudy/night, ECONAVI detects less sunlight intensity and determines less cooling power is required. If cooling power remains the same, energy will be wasted. ECONAVI detects this waste and reduces cooling power by an amount equivalent to increasing the set temperature by 1 degree Celsius.

HOW DOES ECONAVI SUNLIGHT SENSOR WORK?



Remark: Set temperature on remote control display remains unchanged.

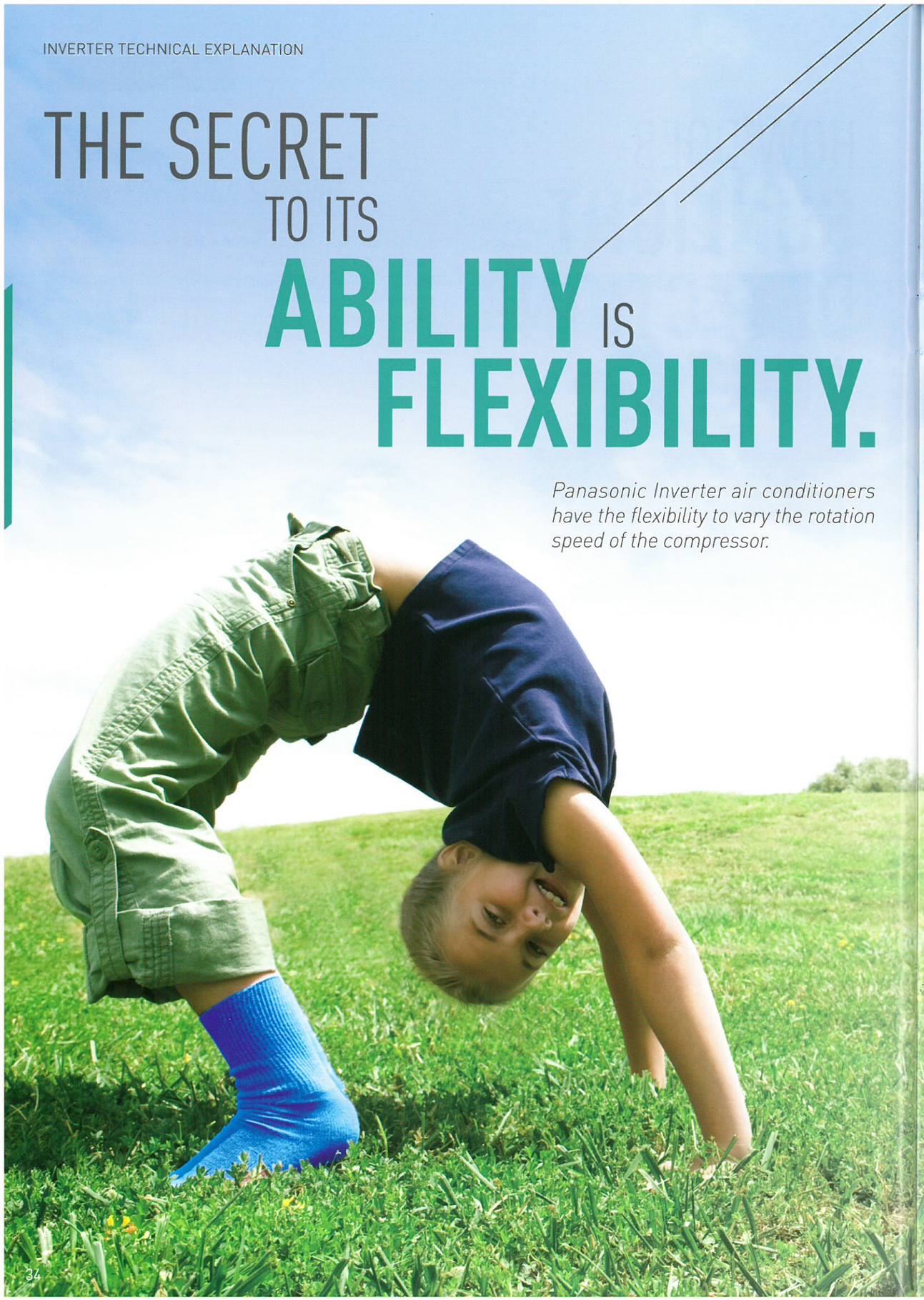


Remark: Set temperature on remote control display remains unchanged.

Remark: When ECONAVI is switched on during cloudy/night, the temperature will be maintained at the set temperature. Only when the sensor detects a change from sunny to cloudy/night, it will adjust cooling power accordingly.

THE SECRET TO ITS ABILITY IS FLEXIBILITY.

Panasonic Inverter air conditioners have the flexibility to vary the rotation speed of the compressor.



INVERTER

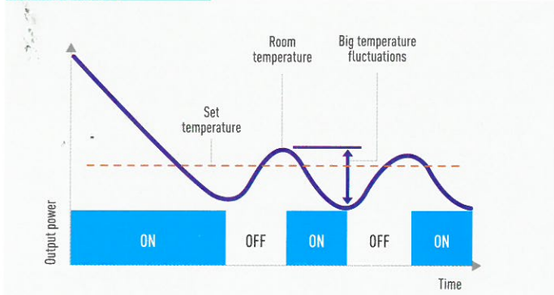
INVERTER REDUCES ELECTRICITY CONSUMPTION

Panasonic INVERTER air conditioners give you exceptional energy saving performance while ensuring you stay comfortable at all times. 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.

PERFORMANCE COMPARISON

ECONAVI detects changes in activity levels and reduces the waste of cooling with unnecessary power.

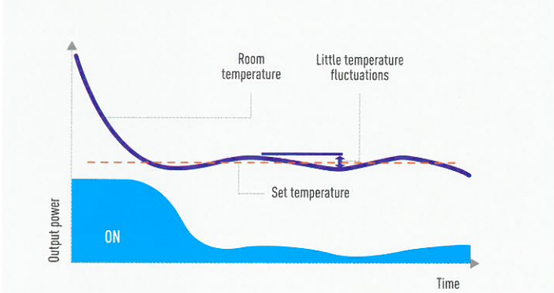
NON-INVERTER



Legend: Output Power — Temperature

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

INVERTER



Legend: Output Power — Temperature

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

CONSTANT COMFORT

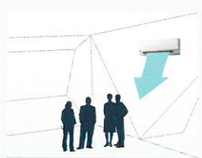
Precise temperature control with a wide power output range enables an INVERTER air conditioner to meet different room occupancy levels – thus ensuring constant comfort.

MAXIMUM POWER

Compressor rotation speed: HIGH

When required, the unit operates at full power.

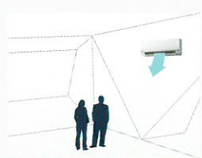
Power: 4.00kW



MEDIUM POWER

Normal condition

Power: 3.23kW



MINIMUM POWER

Compressor rotation speed: SLOW

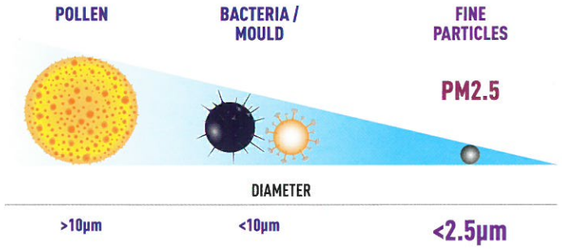
When not required, the unit operates at low power to save energy.

Power: 0.92kW

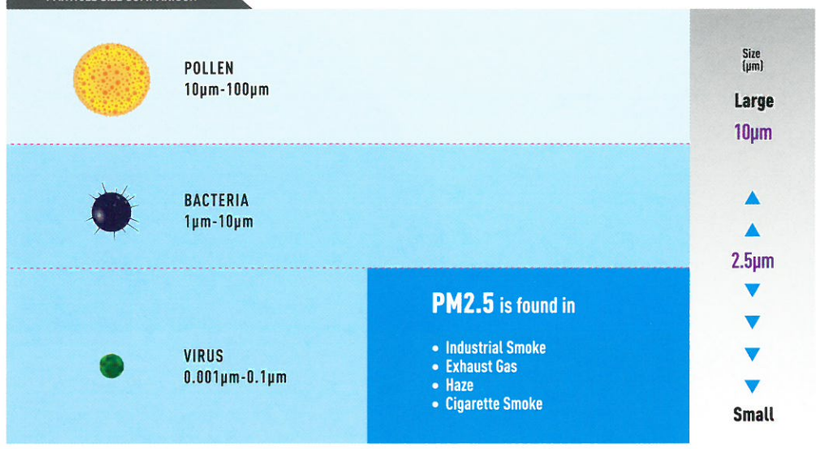
Graph shows the 1.5HP Inverter Model (CS-XS12RKZW / CU-XS12RKZ) wide power output range during cooling.

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.



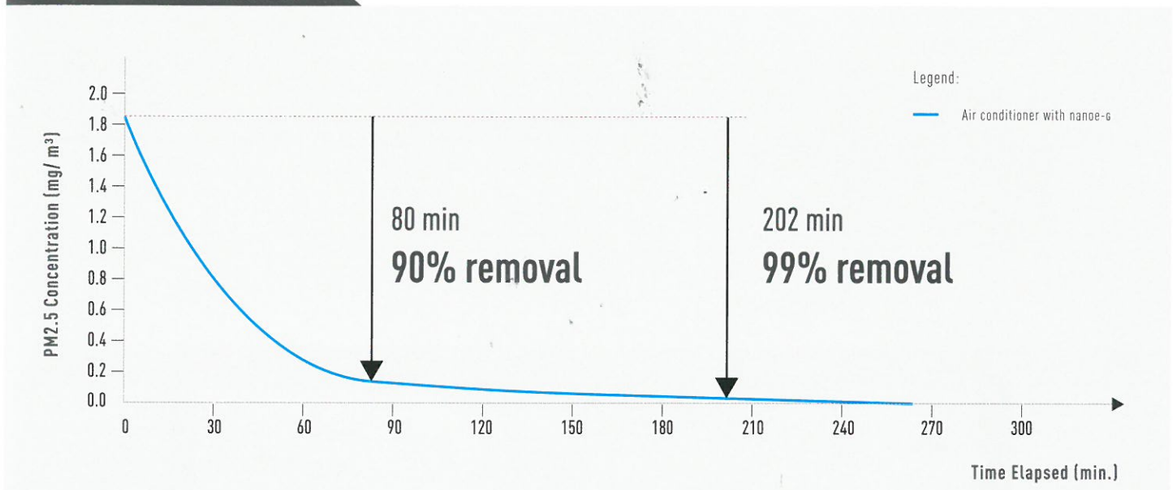
PARTICLE SIZE COMPARISON



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



AIRBORNE

REMOVES
99%*1
PM2.5

REMOVES
99%*2
BACTERIA
VIRUSES
and MOULD

***1 PM2.5 Removal was certified by FCG Research Institute, Inc**

- Test Report no. : 25034
  PM2.5 : *Cigarette Smoke* (as PM2.5)

Effectiveness is measured on 0.3μm-2.5μm. (Specific size only)
This removal effect is not proven for all the airborne toxic substances.

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

***2 Airborne Removal was certified by Kitasato Research Center for Environmental Science**

- KRCES-Bio. Test Report no. : 23_0182
  Bacteria : *Staphylococcus aureus* (NBRC 12732)
- KRCES-Env. Test Report no. : 22_0008
  Virus : *Escherichia coli phage* (øX-174 ATCC 13706-B1)
  : Influenza (H1N1) 2009 Virus
- KRCES-Env. Test Report no. : 23_0140
  Mould : *Penicillium pinophilum* (NBRC 6345)

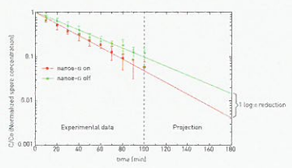
All results are based on specific testing conditions.
All tests are not demonstrated under actual usage situation.

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

In a large space of 40 m³
Removal effect has been evaluated.



The effect after 100 minutes in a 40 m³ test space (about the size of a 10 tatami mat room), not the effect in a space where actually used.

"Performance evaluation of a novel ionizer for air purification applications". Dr. S. Rudnick et al. Harvard School of Public Health, Environmental Health Nanoscience Lab.
nanoe-G
A study of the removal effect of airborne bacteria by using an air-conditioner incorporating nanoe-G was carried out in a large space, and the results were presented at Nano-Symposium jointly held in September 2012 by Harvard University and Kyoto University.

Test methods: Bacteria removal method: Release of nanoe-G ions.

Target: Airborne bacteria, Test results: It is estimated that after three hours of operation the nanoe-G will achieve 2.7 log_{10} reductions, ~ 1 log_{10} reduction more, as compared to without nanoe-G.

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.
	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.
Virus	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.	99% removal from the air after 5 minutes of operation.
					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.

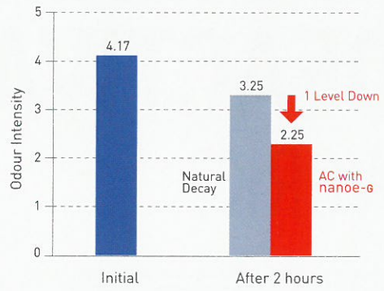
ADHESIVE

ODOUR DEODORISATION: THE ODOUR ADHERED ON THE CURTAINS AND SOFA

Decrease in odour intensity by one level after 2 hours of operation.

Test Subject: Adhesive smell of tobacco smoke
Test Chamber: 20m³
Measurement Method: Six-level odour intensity indication method
Test report No.: 13-1204

Odour Intensity	Degree of Smell
0	No odour
1	Barely able to detect (detection threshold)
2	Able to recognise a smell, but weak (recognition threshold)
3	Easily perceptible
4	Strong
5	Very Strong



ADHESIVE

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 concetration 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%	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.

ADHESIVE

DEACTIVATES
99%*3
BACTERIA and VIRUSES
INHIBITS MOULD GROWTH

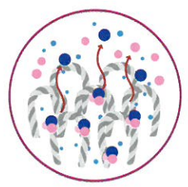
***3 Adhesive Deactivation was certified by Japan Food Research Laboratories**

- 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)

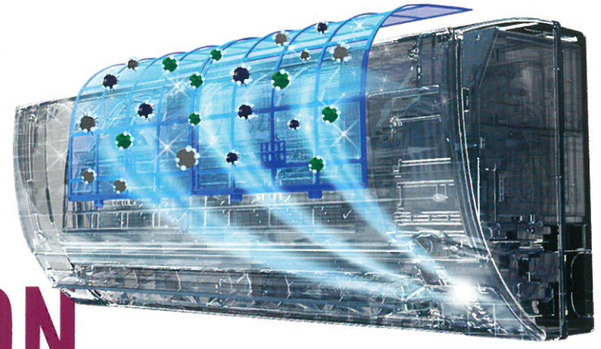


Adhesive odour deodorisation was certified by OMI ODOR-AIR SERVICE Co. Ltd.

- Test Report No. 13-1204

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

HOW DOES **IN-FILTER DEACTIVATION** WORK?



1. POWER "OFF"

The air-conditioner first has to be turned off.

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

2. FAN OPERATION

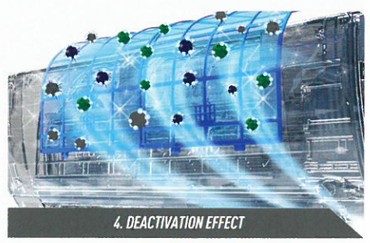
The fan operation will run automatically for 30 minutes with the flaps slightly open to ensure the internal components are dry and free from condensation.

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

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.

Fan Operation : Off
Flap : Closed
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.

nanoe-G

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.
Virus	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.
	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)

IN-FILTER DEACTIVATION

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

IN-FILTER DEACTIVATION

DEACTIVATES
99%*4
BACTERIA and VIRUSES

DEACTIVATES AVERAGE
90%
INFLUENZA (H1N1) 2009 VIRUS

***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* (□□-174 ATCC 13706-B1)

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

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.

MODEL LINE UP

Capacity (Btu/h) | 9,000 | 12,000 | 15,000 | 18,000 | 24,000 | 28,000

Wall-Mounted DELUXE INVERTER SINGLE-SPLIT

Page 12-13

DELUXE INVERTER | DELUXE INVERTER WIDE | FEATURES

CS-XS9RKZW
(CU-XS9RKZ)

CS-XS12RKZW
(CU-XS12RKZ)

CS-XS18RKZW
(CU-XS18RKZ)

CS-XS24RKZW
(CU-XS24RKZ)

CS-XS28RKZ
(CU-XS28RKZ)

Wall-Mounted DELUXE INVERTER DUAL-SPLIT MULTI-SPLIT

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DELUXE INVERTER | DELUXE INVERTER WIDE | FEATURES

CS-XS9RKZW
(CU-2XS18RKZ)

CS-XS12RKZW
(CU-2XS18RKZ)

- It is possible to have a combination of wall-mounted models (CS-XS9, XS12RKZW) for the (CU-2XS18RKZ) Outdoor Unit Ports.
- A minimum of 2 indoor units must be connected.

Wall-Mounted DELUXE INVERTER TRIPLE-SPLIT MULTI-SPLIT

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CS-XS9RKZW
(CU-3XS27RKZ)

CS-XS12RKZW
(CU-3XS27RKZ)

CS-XS15RKZW
(CU-3XS27RKZ)

CS-XS18RKZW
(CU-3S27RKZ)

- It is possible to have a combination of wall-mounted models (CS-XS9, XS12, XS15, XS18RKZW) for the (CU-3XS27MKZ) Outdoor Unit Ports.
- A minimum of 2 indoor units must be connected.

Wall-Mounted INVERTER DELUXE MULTI-COMBINATION SPLIT

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Mini Cassette INVERTER MINI CASSETTE MULTI-COMBINATION SPLIT

Page 18

INVERTER DELUXE | INVERTER DELUXE WIDE | FEATURES

CS-XS9RKZW
(CU-4XS32RBZ)
(CU-3XS28RBZ)

CS-XS12RKZW
(CU-4XS32RBZ)
(CU-3XS28RBZ)

CS-XS15RKZW
(CU-4XS32RBZ)
(CU-3XS28RBZ)

CS-XS18RKZW
(CU-4XS32RBZ)
(CU-3XS28RBZ)

CS-XS24RKZW
(CU-4XS32RBZ)
(CU-3XS28RBZ)

CS-S12MB4ZW
(CU-4XS32RBZ)
(CU-3XS28RBZ)

CS-S18MB4ZW
(CU-4XS32RBZ)
(CU-3XS28RBZ)

CS-S24MB4ZW
(CU-4XS32RBZ)
(CU-3XS28RBZ)

- It is possible to have a combination of wall-mounted models (CS-XS9, XS12, XS15, XS18, XS24RKZW) and mini cassette (CS-S12, S18, S24MB4ZW) for the Outdoor Unit Ports (CU-4XS32RBZ and CU-3XS28RBZ).
- A minimum of 2 indoor units must be connected.

( ): Outdoor Unit Cooling Models

THE SYSTEM OF MODEL NUMBERS FOR SPLIT MODELS

❶ Model Type
CS : Split Type (Indoor Unit)
CU : Split Type (Outdoor Unit)
CZ : Accessories

❷ Connection Configuration
<Indoor Unit>
W : Multi Split
<Outdoor Unit>
n : (n) Rooms Multi

❸ Function
S : Cooling Only (PREMIUM Inverter)
PS : Cooling Only (Standard)
XS : Cooling Only (DELUXE Inverter)

❹ Capacity
Value = Capacity (Btu/h) x 1/1000,
e.g. 9,000 Btu/h x 1/1000 = 9

❺ Type
K : Wall-Mounted Type

CS ❶	—		XS ❸	9 ❹	R	K ❺	Z	W ❷	
CU ❶	—	2 ❷	XS ❸	18 ❹	R	K ❺	Z		

RATING CONDITIONS

	COOLING
Inside air temperature	27°C DB (19°C WB)
Outside air temperature	35°C DB (24°C WB)