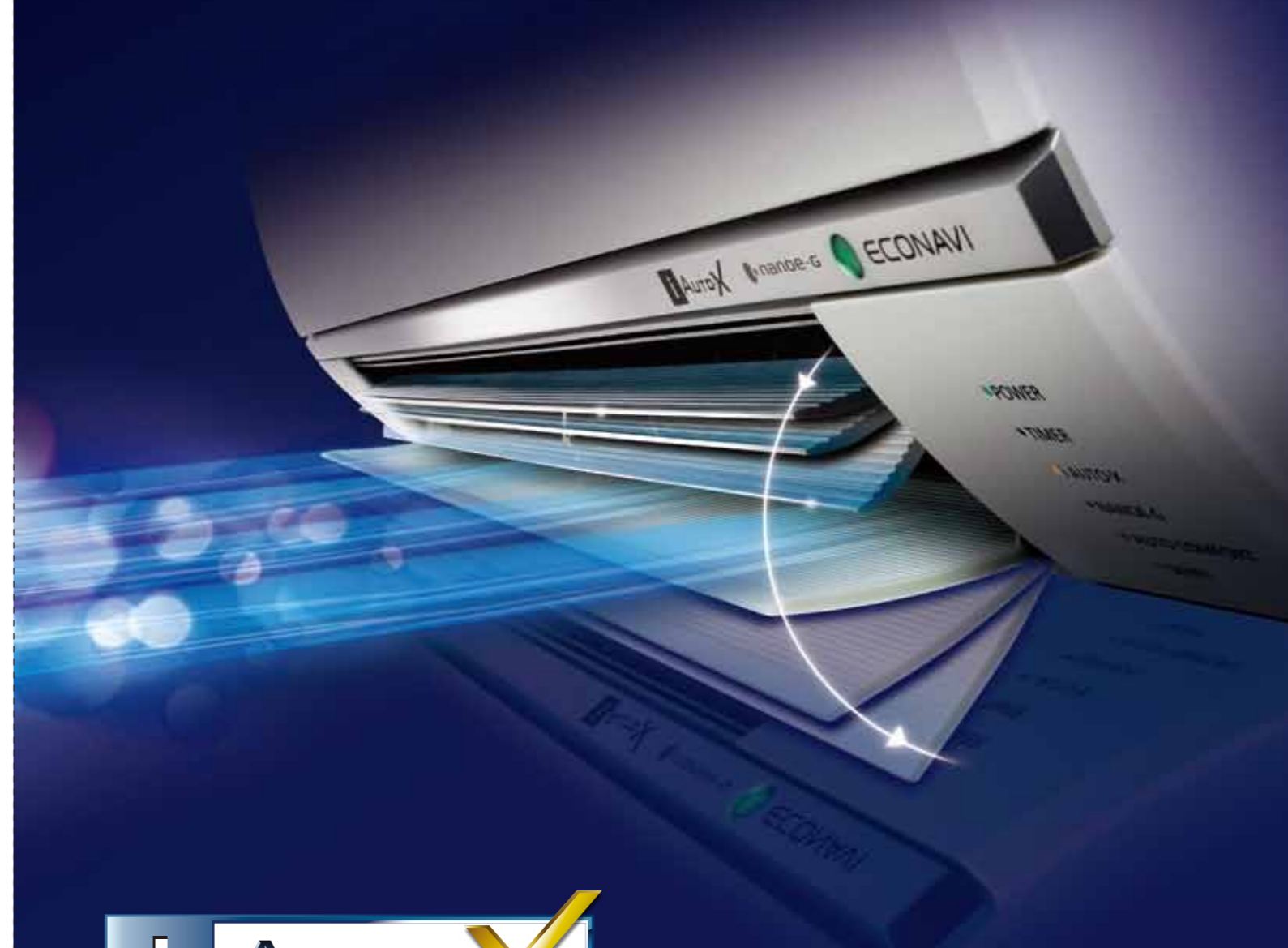


FREE MULTI

Air Conditioning System



i Auto·X
INTELLIGENT . DYNAMIC . COOL .

總代理 Sole Agent



SHUN HING GROUP
信興集團
SINCE 1953

信興電工工程有限公司
SHUN HING ELECTRIC WORKS AND ENGINEERING CO., LTD.

辦公室 Office 香港九龍尖沙咀東部麼地道67號半島中心9樓909-912室
Room 909-912, 9/F, Peninsula Centre, 67 Mody Road, Tsimshatsui East, Kowloon, Hong Kong

電話 Tel (852) 2861 2767

傳真 Fax (852) 2865 6706

網址 Website www.shew.com.hk

電郵 E-mail shew@shunhinggroup.com

保養及維修 Maintenance and Repair Service

信興電器服務中心有限公司
SHUN HING ELECTRIC SERVICE CENTRE LTD.

辦公室 Office 香港新界葵涌勝耀街8號信興中心18樓
18th Floor, Shun Hing Centre, 8 Shing Yiu Street, Kwai Chung, New Territories, Hong Kong


電話 Tel (852) 2406 5666

傳真 Fax (852) 2408 0316

網址 Website www.shesc.com

技術支援 Technical Support (852) 2406 5444

- 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.
- 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.



FREEM08/15



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.

2 DEACTIVATION OF ADHESIVE MICRO-ORGANISMS AND 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 IN-FILTER DEACTIVATION

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



1 AIRBORNE

99%
PM2.5
Bacteria, Viruses
& Mould Removal

Removal of airborne particles, even those smaller than 2.5 micrometers in size (PM2.5).



3 IN-FILTER DEACTIVATION

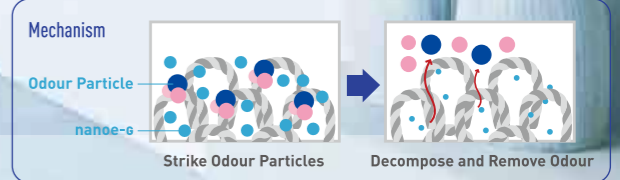
99%
Bacteria & Viruses
Deactivation

Deactivates bacteria and viruses trapped in the filter.

2 ADHESIVE

99%
Bacteria & Viruses
Deactivation

Deactivates adhesive micro-organisms and deodorises adhesive odours.

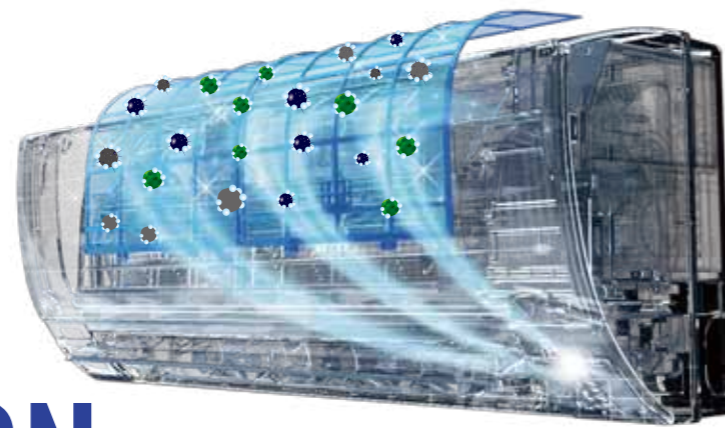


Remark:
* 3 trillion is the simulated number of nanoe-G fine particles under the mentioned conditions. Actual measured nanoe-G fine particles at the centre of the room (13m³):100k/cc calculated number of nanoe-G fine particles in the entire room assuming they are evenly distributed.

3 trillion* nanoe-G fine particles released from the generator.

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

nanoe-G catches airborne particles



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.

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.

4. DEACTIVATION EFFECT

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

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 (φX-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.

DEACTIVATES

99%*4

BACTERIA and VIRUSES

***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 (φX-174 ATCC 13706-B1)

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

DEACTIVATES AVERAGE




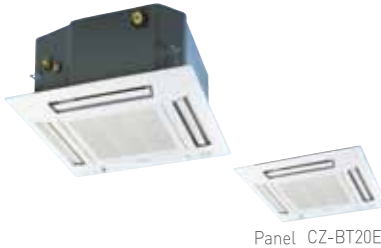

90%

INFLUENZA (H1N1) 2009 VIRUS

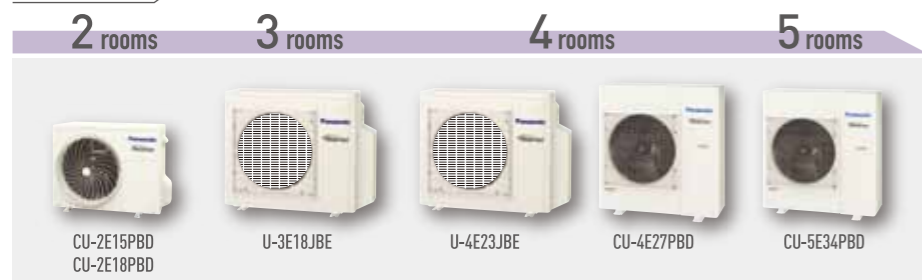
In-Filter Deactivation was certified by Kitasato Research Center for Environmental Science

- 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.

CAPACITY CLASS	2.2kW class	2.8kW class	3.2kW class	4.0kW class	5.0kW class	6.0kW class	7.0kW class
Wall-Mounted NEW  Wireless with Bilingual Sticker NEW  Wired (optional) CZ-RD514C	CS-E7RKDW	CS-E9RKDW	CS-E12RKDW	CS-E15RKDW *1	CS-E18RKDW *1	CS-ME21RKD *3	CS-E24RKDW *2 *3
Floor or Ceiling  Wireless with Bilingual Sticker		CS-ME10DTEG		CS-E15DTEW *1	CS-E18DTEW *1		
Mini Cassette (4-way)  Wireless with Bilingual Sticker Wired (optional) CZ-RD52CP Panel CZ-BT20E		CS-E10HB4EA		CS-E15HB4EA *1	CS-E18HB4EA *1	CS-E21JB4EA *3	
Hide-Away  Wired		CS-E10JD3EA		CS-E15JD3EA *1	CS-E18JD3EA *1		

OUTDOOR UNIT




ADDITIONAL PARTS



Pipe Size Reducer
CZ-MA1P/3P

For the indoor units marked with a star (*1: CZ-MA1P, *2: CZ-MA3P), the pipe size reducer must be used at the connection port of the indoor unit.



Pipe Size Expander
CZ-MA2P

For the indoor units marked with a star (*3), the pipe size expander must be used at the connection port of the outdoor unit.

COMBINATION PATTERNS



Models	Indoor Units: Possible Combination Patterns Must be within capacity class.	Allowable Indoor Units Combination Class	Refrigerant Pipe Diameter			Pipe Extension				Indoor Unit Combinations										
			Indoor Unit	Liquid Side	Gas Side	Maximum Pipe Length (1 room)	Maximum Pipe Length (Total)	Maximum Chargeless Length	Additional Gas	Maximum Height Difference	Type Capacity (kW/Class)	Wall-Mounted	Floor or Ceiling	Mini Cassette	Hide-Away					
2 rooms CU-2E15PBD 4.5kW Dimensions (HxWxD): 619 x 824(+70) x 299 mm Weight: 38 kg	PORT A: 2.2 or 2.8 or 3.2 * Either unit PORT B: 2.2 or 2.8 or 3.2 * Either unit * At least two indoor units must be connected.	Class 4.4 5.6 kW Make sure to keep combinations within this class.	Room A	ø 6.35	ø 9.52	20 m	30 m	20 m	15 g/m	10 m	2.2	•								
			Room B	ø 6.35	ø 9.52						2.8	•		•	•					
CU-2E18PBD 5.2kW Dimensions (HxWxD): 619 x 824(+70) x 299 mm Weight: 38 kg	PORT A: 2.2 or 2.8 or 3.2 * Either unit PORT B: 2.2 or 2.8 or 3.2 * Either unit * At least two indoor units must be connected.	Class 4.4 6.4 kW Make sure to keep combinations within this class.	Room A	ø 6.35	ø 9.52	20 m	30 m	20 m	15 g/m	10 m	2.2	•								
			Room B	ø 6.35	ø 9.52						2.8	•	•	•	•					
3 rooms U-3E18JBE 5.2kW Dimensions (HxWxD): 795 x 875 (+95) x 320 mm Weight: 71 kg	PORT A: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 * Either unit PORT B: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 * Either unit PORT C: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 * Either unit * At least two indoor units must be connected.	Class 5.0 9.0 kW Make sure to keep combinations within this class.	Room A	ø 6.35	ø 9.52	25 m	50 m	30 m	20 g/m	15 m	2.2	•								
			Room B	ø 6.35	ø 9.52						2.8	•	•	•	•					
			Room C	ø 6.35	ø 9.52						3.2	•	•	•	•	4.0	•	•	•	•
4 rooms U-4E23JBE 6.8kW Dimensions (HxWxD): 795 x 875 (+95) x 320 mm Weight: 72 kg	PORT A: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0 * Either unit PORT B: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0 * Either unit PORT C: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0 * Either unit PORT D: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0 * Either unit * At least two indoor units must be connected.	Class 5.0 11.0 kW Make sure to keep combinations within this class.	Room A	ø 6.35	ø 9.52	25 m	60 m	30 m	20 g/m	15 m	2.2	•								
			Room B	ø 6.35	ø 9.52						2.8	•	•	•	•					
			Room C	ø 6.35	ø 9.52						3.2	•	•	•	•	4.0	•	•	•	•
			Room D	ø 6.35	ø 9.52						5.0	•	•	•	•	6.0	•	•	•	•
4 rooms CU-4E27PBD 8.0kW Dimensions (HxWxD): 999 x 940 x 340 mm Weight: 80 kg	PORT A: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0 or 7.0 * Either unit PORT B: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0 or 7.0 * Either unit PORT C: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0 or 7.0 * Either unit PORT D: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0 or 7.0 * Either unit * At least two indoor units must be connected.	Class 5.0 13.6 kW Make sure to keep combinations within this class.	Room A	ø 6.35	ø 9.52	25 m	70 m	45 m	20 g/m	15 m	2.2	•								
			Room B	ø 6.35	ø 9.52						2.8	•	•	•	•					
			Room C	ø 6.35	ø 9.52						3.2	•	•	•	•	4.0	•	•	•	•
			Room D	ø 6.35	ø 9.52						5.0	•	•	•	•	6.0	•	•	•	•
5 rooms CU-5E34PBD 10.0kW Dimensions (HxWxD): 999 x 940 x 340 mm Weight: 81 kg	PORT A: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0 or 7.0 * Either unit PORT B: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0 or 7.0 * Either unit PORT C: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0 or 7.0 * Either unit PORT D: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0 or 7.0 * Either unit PORT E: 2.2 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0 or 7.0 * Either unit * At least two indoor units must be connected.	Class 5.0 17.4 kW Make sure to keep combinations within this class.	Room A	ø 6.35	ø 9.52	25 m	80 m	45 m	20 g/m	15 m	2.2	•								
			Room B	ø 6.35	ø 9.52						2.8	•	•	•	•					
			Room C	ø 6.35	ø 9.52						3.2	•	•	•	•	4.0	•	•	•	•
			Room D	ø 6.35	ø 9.52						5.0	•	•	•	•	6.0	•	•	•	•
			Room E	ø 6.35	ø 9.52						7.0	•	•	•	•	•	•	•	•	•

INVERTER MULTI SPLIT : INDOOR UNITS



WALL-MOUNTED							
Model (Capacity)	CS-E7RKDW (2.2 kW class)	CS-E9RKDW (2.8 kW class)	CS-E12RKDW (3.2 kW class)	CS-E15RKDW (4.0 kW class)	CS-E18RKDW (5.0 kW class)	CS-ME21RKD (6.0 kW class)	CS-E24RKDW (7.0 kW class)
Power Source	Single phase, 230 V, 50 Hz						
Fan Output W	40	40	40	40	40	40	40
Dimensions							
Height mm	296	296	296	296	296	296	296
Width mm	870	870	870	870	1,070	1,070	1,070
Depth mm	236	236	236	236	241	241	241
Net Weight kg	9.0	9.0	9.0	9.0	11.0	11.0	12.0
Connecting Cable	3 + 1 (earth), ø1.5 mm ²						
Refrigerant Pipe Diameter							
Liquid Side mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35
Gas Side mm	9.52	9.52	9.52	12.70* ¹	12.70* ¹	12.70* ³	15.88* ^{2*3}

FLOOR OR CEILING			
Model (Capacity)	CS-ME10DTEG (2.8 kW class)	CS-E15DTEW (4.0 kW class)	CS-E18DTEW (5.0 kW class)
Power Source	Single phase, 230 V, 50 Hz		
Fan Output W	51	51	51
Dimensions			
Height mm	540	540	540
Width mm	1,028	1,028	1,028
Depth mm	200	200	200
Net Weight kg	17.0	17.0	18.0
Connecting Cable	3 + 1 (earth), ø1.5 mm ²		
Refrigerant Pipe Diameter			
Liquid Side mm	6.35	6.35	6.35
Gas Side mm	9.52	12.70* ¹	12.70* ¹

MINI CASSETTE				HIDE-AWAY			
Model (Capacity)	CS-E10HB4EA (2.8 kW class)	CS-E15HB4EA (4.0 kW class)	CS-E18HB4EA (5.0 kW class)	CS-E21JB4EA (6.0 kW class)	CS-E10JD3EA (2.8 kW class)	CS-E15JD3EA (4.0 kW class)	CS-E18JD3EA (5.0 kW class)
Power Source	Single phase, 230 V, 50 Hz				Single phase, 230 V, 50 Hz		
Fan Output W	40	40	40	40	30	30	30
External Static Pressure Pa(mmAq)	—	—	—	—	25	25	25
Air Circulation m ³ /min	—	—	—	—	(2.55)	(2.55)	(2.55)
Dimensions							
Height mm	260	260	260	260	235	235	285
Width mm	575	575	575	575	750	750	750
Depth mm	575	575	575	575	370	370	370
Net Weight kg	18.0	18.0	18.0	18.0	17.0	17.0	18.0
Connecting Cable	3 + 1 (earth), ø1.5 mm ²						
Refrigerant Pipe Diameter							
Liquid Side mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35
Gas Side mm	9.52	12.70* ¹	12.70* ¹	12.70* ³	9.52	12.70* ¹	12.70* ¹

*1 A pipe size reducer (CZ-MA1P) must be used to reduce the pipe diameter to 9.52 mm at the connection port of the indoor unit.
 *2 A pipe size reducer (CZ-MA3P) must be used to reduce the pipe diameter to 12.7mm at the connection port of the indoor unit.
 *3 A pipe size expander (CZ-MA2P) must be used to expand the pipe diameter of the outdoor unit from 9.52mm to 12.7 mm at the connection port of the indoor unit.

INVERTER MULTI SPLIT : OUTDOOR UNITS



Model (50Hz)	CU-2E15PBD	CU-2E18PBD	U-3E18JBE	U-4E23JBE	CU-4E27PBD	CU-5E34PBD
Indoor-units Combination	2.2 kW + 2.2 kW	3.2 kW + 3.2 kW	2.2 kW + 2.8 kW + 4.0 kW	2.2 kW + 2.8 kW + 2.8 kW + 3.2 kW	2.2 kW + 2.2 kW + 2.2 kW + 7.0 kW	2.2kW + 2.2kW + 2.8kW + 3.2kW + 7.0kW
Power Source	Single phase, 230 V, 50 Hz (Power supply from outdoor unit)					
Cooling Operation						
Capacity kW	4.5 (1.5 - 5.0)	5.2 (1.5 - 5.4)	5.2 (1.8 - 7.3)	6.8 (1.9 - 8.8)	8.0 (3.0 - 9.2)	10.0 (2.9 - 11.5)
Electrical Data						
Running Current A	5.75	7.10	5.30	7.50	9.4	13.2
Power Input W	1,230 (250 - 1,350)	1,520 (250 - 1,580)	1,200 (360 - 2,180)	1,680 (340 - 2,470)	1,980 (530 - 2,870)	2,860 (550 - 3,860)
EER W/W	3.66	3.42	4.33	4.05	4.04	3.50
Noise						
Sound Pressure Level dB(A)	47	49	46	48	51	53
Sound Power Level dB	62	64	60	62	67	69
Heating Operation						
Capacity kW	5.4 (1.1 - 7.0)	5.6 (1.1 - 7.2)	6.8 (1.6 - 8.3)	8.6 (3.0 - 10.6)	9.4 (4.2 - 10.6)	12.0 (3.4 - 14.5)
Electrical Data						
Running Current A	5.20	5.35	6.50	8.60	9.8	13.4
Power Input W	1,170 (210 - 1,670)	1,210 (210 - 1,700)	1,400 (320 - 2,110)	1,850 (580 - 2,600)	2,080 (700 - 3,060)	2,860 (530 - 4,240)
COP W/W	4.62	4.63	4.86	4.65	4.52	4.20
Noise						
Sound Pressure Level dB(A)	49	51	47	49	52	54
Sound Power Level * dB	64	66	61	63	68	70
Maximum Current A	12.0	12.0	15.2	15.6	19.0	21.3
Starting Current A	5.75	7.10	6.50	8.60	9.8	13.4
Compressor Output W	900	900	1,300	1,300	1,700	1,700
Fan Output W	40	40	60	60	90	90
Circuit Breaker A	16	16	16	20	20	25
Dimensions						
Height mm	619	619	795	795	999	999
Width mm	824 (+70)	824 (+70)	875 (+95)	875 (+95)	940	940
Depth mm	299	299	320	320	340	340
Net Weight kg	38	38	71	72	80	81
Connecting Cable	3 + 1 (earth), ø 1.5 mm ²					
Pipe Length Range (1 room) m	3 - 20	3 - 20	3 - 25	3 - 25	3 - 25	3 - 25
Maximum Pipe Length (Total room)** m	30	30	50	60	70	80
Refrigerant Pipe Diameter						
Liquid Side mm	6.35	6.35	6.35	6.35	6.35	6.35
Gas Side mm	9.52	9.52	9.52	9.52	9.52	9.52
Energy Saving Classification						
Cooling Class	A	A	A	A	A	A
Annual Energy Consumption kWh	615	760	600	840	990	1,430
Heating Class	A	A	A	A	A	A

* The cooling sound power level specification is based on EN12102:2008 Standard.
 ** Additional Gas might be required for some models.

RATING CONDITIONS

	COOLING	HEATING
Inside air temperature	27°C DB/19°C WB	20°C DB
Outside air temperature	35°C DB/24°C WB	7°C DB/6°C WB

Caution (Important) Please do not use copper pipes which the thickness is less than 0.8mm.

U-5E34 PBD

A.E.C. : Annual Energy Consumption

Table with columns for Indoor Units Capacity, Cooling Operation (Cooling Capacity, Running Current, Power Input, Cooling Class, A.E.C.#), and Heating Operation (Heating Capacity, Running Current, Power Input, Heating Class). Rows are categorized by room count (1 room, 2 rooms, 3 rooms).

A.E.C. : Annual Energy Consumption

Table with columns for Indoor Units Capacity, Cooling Operation (Cooling Capacity, Running Current, Power Input, Cooling Class, A.E.C.#), and Heating Operation (Heating Capacity, Running Current, Power Input, Heating Class). Rows are categorized by room count (3 rooms, 4 rooms).

FEATURES EXPLANATION

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 odour 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

The front panel is easy to keep clean. It removes quickly with a simple one-step operation and can be washed in water. A clean front panel promotes smoother, more efficient performance, which can save energy.



SUPER ALLERU-BUSTER FILTER

The SUPER Alleru-Buster Filter combines three defensive actions in one – anti-allergen, anti-virus and anti-bacteria protection – to keep the air cool and clean.



COMFORT

iAUTO-X

Come home to fast cooling. Then enjoy continuous comfort with Shower Cooling which avoids direct cooling.



LOW AMBIENT COOLING AT -10°C

Special specifications also enable year-round cooling even during the cold of winter.



AIRFLOW DIRECTION CONTROL (UP & DOWN)

The lower swings up and down automatically, distributing air throughout the room. You can also adjust the airflow angle by remote control.



ECONAVI DUAL SENSOR

Detects and reduces waste for more energy savings.



QUIET MODE

Simply press a button to reduce the indoor unit operating sound. This function is especially convenient for operation near a sleeping baby.



MANUAL HORIZONTAL AIRFLOW DIRECTION CONTROL



TEMPERATURE WAVE

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



POWERFUL MODE

Pressing the Powerful button cools or heats the room quickly. It provides fast comfort, with full power and a strong airflow. This is perfect for use immediately after coming home, or when unexpected guests arrive.



AUTO CHANGEOVER (INVERTER)



AUTOCOMFORT DUAL SENSOR



AUTO CHANGEOVER (HEAT PUMP)

Sensors measure the room and outside temperatures periodically. Based on these temperatures and the set temperature, the microcomputer determines the most suitable operating mode as time passes.



INVERTER CONTROL

An inverter air conditioner provides optimum power control, which is impossible for conventional units. The secret lies in the inverter circuit. By changing the frequency of power supply, this circuit alters the rotation speed of the compressor, which is the heart of the air conditioner. The result is comfortable, economical air conditioning.

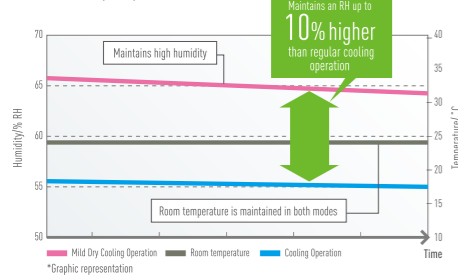


HOT START CONTROL

At the start of the heating cycle and after the defrost cycle, to prevent the fan from blowing cold air, it doesn't start operating until the indoor heat exchanger is warm.



Room humidity comparison



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.

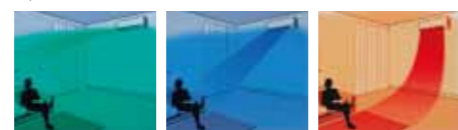


PERSONAL AIRFLOW CREATION

Vertical and horizontal air flow patterns can be combined as desired to gain the greatest possible comfort, with operation possible even from a distance by remote control.



Up & Down Airflow — 5 Patterns + Auto



When you don't want airflow directed right at you.

When you want direct airflow.

When you want to warm yourself thoroughly from the feet up.

Left & Right Airflow — 5 Patterns + Auto



To focus the airflow to one side of the room.

To focus the airflow to the centre.

For uniform airflow throughout the room.

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

All models are now safe to operate without a starter. With the exclusive Random Auto Restart feature, the air conditioners automatically restart after power failure. Its 32 different recovery-timing patterns ensure that air conditioners in the same building resume one after another instead of all at the same time. This feature helps prevent power surges after a blackout and walls are nearer too.



LONG PIPING

The basic piping can be extended, allowing the outdoor unit to be installed farther away from the indoor unit and providing greater installation flexibility.



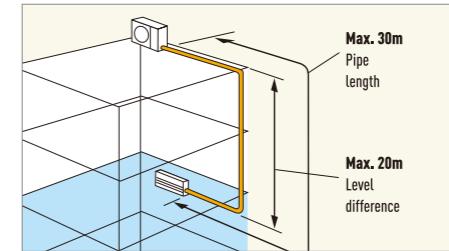
TOP-PANEL MAINTENANCE ACCESS

Maintenance of the outdoor unit used to be quite a tedious chore, especially when the unit was installed on a narrow balcony or attached to the outer wall of a high-rise building. Now, maintenance can be performed by simply removing the top panel, making these tasks much quicker and easier.



BLUE FIN CONDENSER

Condenser fin is enforced against a beating from exposure to salty air, rain and other corrosive factors. Panasonic has tripled* the life of our condensers with an original anti-rust coating compared to untreated fin condenser.



*According to Panasonic's test results.

OPTIONAL ACCESSORIES

REPLACEMENT SUPER ALLERU-BUSTER FILTER



CZ-SA13P : CS-E10HB4EA, CS-E15HB4EA, CS-E18HB4EA, CS-E21JB4EA
CZ-SA14P : CS-E15DTEW, CS-E18DTEW, CS-E21DTES, CS-ME10DTEG

*replacement: every 3 years

WIRED REMOTE CONTROL



CZ-RD514C : CS-HE7QKD, CS-HE9QKD, CS-HE12QKD, CS-HE18QKD, CS-E7RKDW, CS-E9RKDW, CS-E12RKDW, CS-E15RKDW, CS-E18RKDW, CS-E24RKDW, CS-E28RKDS, CS-UE7RKD, CS-UE9RKD, CS-UE12RKD, CS-UE18RKD
CZ-RD52CP : CS-E10HB4EA, CS-E15HB4EA, CS-E18HB4EA, CS-E21JB4EA

PIPE SIZE REDUCER



CZ-MA1P : CS-E15RKDW, CS-E18RKDW, CS-E15DTEW, CS-E18DTEW, CS-E15HB4EA, CS-E18HB4EA, CS-E15JD3EA, CS-E18JD3EA
CZ-MA3P : CS-E24RKDW

PIPE SIZE EXPANDER



CZ-MA2P
CS-E24RKDW, CS-E21JB4EA, CS-ME21RKD