

Dealer Stamp





Panasonic



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.

- 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 July 2013.
- Due to printing considerations, the actual colours may vary slightly from those shown.
- \blacksquare All graphics are provided merely for the purpose of illustrating a point.

Panasonic New Zealand Limited.

350 Te Irirangi Drive, East Tamaki, Manukau, Auckland, 1741. New Zealand. Telephone: (02) 9 272 0100, Fascimile: (02) 9 272 0134

www.panasonic.co.nz



Go Green. Go Clean. Go Your Way.

Panasonic Air Conditioners are designed to provide more than just cooling and heating comfort to homes. They save energy. They purify your surroundings. They adjust cooling and heating power to suit your living spaces and styles. Living an eco-lifestyle your way is now easier than ever.

INTELLIGENT ECO SENSORS



ECONAVI now comes with 5 features that save energy by adjusting to changes in human movements, activity levels, absence and sunlight intensity.



INVERTER technology maintains the room temperature by varying the rotation speed of the compressor; giving you exceptional energy savings.



nanoe-G uses nano-technology fine particles that work effectively on micro-organisms in the air, on surfaces and even in the filter to ensure a cleaner living environment.

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Discover the waste to discover energy savings.

When you are relaxing while watching television, the air conditioner's operation usually runs to maintain a constant temperature setting.

ECONAVI detects and reduces this waste in all the right ways.

Using high technology sensors and precise control programs, it analyses room conditions and adjusts cooling and heating power accordingly.

It is smart enough to locate and operate in all the right places to give you better energy savings.



5 FEATURES SAVING ENERGY ALL AT ONCE.

ECONAVI WITH INTELLIGENT ECO SENSORS

ECONAVI Intelligent Sensors detect unconscious waste of energy using the Human Activity Sensor and Sunlight Sensor. It is able to monitor human location, movements, absence and sunlight intensity. It then automatically adjusts cooling and heating power to save energy efficiently with uninterrupted comfort and convenience.



So Much Saved with So Little Effort

During Cooling
Up to
38 % *1
energy savings
For Inverter Cooling Model
With Temperature Wave

*1 Comparison of 3.5kW Inverter model between ECONAVI with (Dual Human Activity Sensor, Sunlight Sensor, and Temperature Wave) ON and ECONAVI OFF (Cooling)

ECONAVI ON, Outside temperature: 35°C/24°C
Remote setting temperature: 23°C with Fan Speed (High)
Vertical Airflow direction: Auto, Horizontal 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, electric heater (300W; simulating the heat of human and TV etc)

ECONAVI OFF, Outside temperature: 35°C/24°C Remote setting temperature: 23°C with Fan Speed (High) Vertical Airflow direction: Auto, Horizontal Airflow direction: Front

Total power consumption amount are measured for 2 hours in stable condition. At Panasonic Amenity Room (size:16.6m²) This is the maximum energy savings value, and the effect differs according to conditions in installation and usage.

During Heating Up to 45 % *2 energy savings

*2 Comparison of 3.5kW Inverter model between ECONAVI with dual sensor ON and OFF (Heating)

ECONAVI dual sensor ON, Outside temperature: 2°C/1°C
Remote setting temperature: 26°C with Fan Speed (High),
Vertical Airflow direction: Auto, Horizontal Airflow direction: ECONAVI Mode
Setting temperature goes down 3°C in total, 2°C controlled by ECONAVI activity level detection and another 1°C controlled by ECONAVI light intensity detection.

ECONAVI dual sensor OFF, Outside temperature: 2°C/1°C Remote setting temperature: 26°C with Fan Speed (High) Vertical Airflow direction: Auto, Horizontal Airflow direction: Front

Total power consumption amount are measured for 1 hour in stable condition. At Panasonic Amenity Room (size:16.6m²) This is the maximum energy savings value, and the effect differs according to conditions in installation and usage.



SINVERTER FEATURES





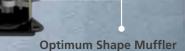
1. Quick Cooling

Cools room faster at start up.

speed to reduce wasteful consumption of energy.

3. Energy Saving

Varies compressor rotation



INVERTER

High Efficiency & **High Reliability Material**

Inverter Compressor

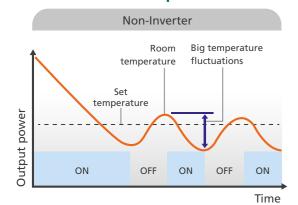
High Efficiency Motor

Panasonic's Inverter Compressor can achieve high efficiency under high load conditions.

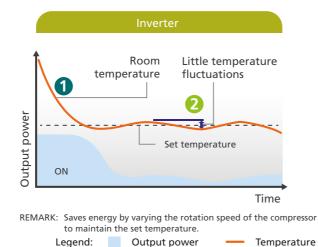
Reduces Electricity Consumption

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, giving you energy savings of up to 50%*.

Performance Comparison



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



2. Constant Comfort

to keep you comfortable.

Easily maintains set temperature







*Comparison of 3.5kW Inverter model and 3.5kW Non-Inverter model (Cooling)

Outside temperature: 35°C/24°C Remote setting temperature: 25°C with Fan speed (High) Vertical Airflow direction: Auto, Horizontal Airflow direction: Front

Total power consumption amount are measured for 8 hours from start.

At Panasonic Amenity Room (size:16.6m2) This is the maximum energy savings value, and the effect differs according to conditions in

installation and usage.



THE OTHER ADVANTAGES OF INVERTER AIR CONDITIONERS

Constant Comfort

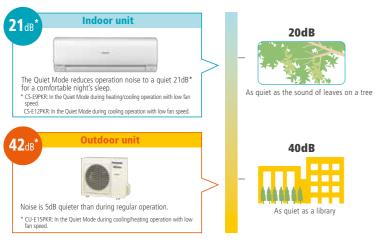
Precise temperature control with a wide power output range enables an inverter air conditioner to meet different room occupancy levels – thus ensuring constant comfort.



Graph shows the 3.5kW Inverter model's wide power output range during cooling.

QUIET OPERATION FOR MORE COMFORT

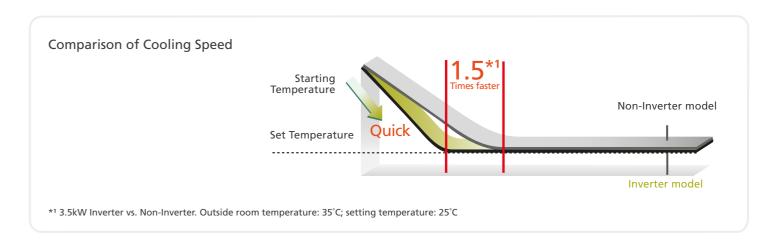
Quiet Mode during cooling and heating operation provides quieter indoor unit operation, as well as reduces outdoor unit noise level.

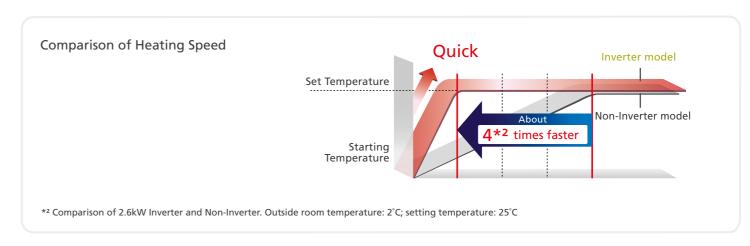


Feature Comparison >> p.32~p.33

Quick Cooling/Heating

Panasonic Inverter air conditioners can operate with higher power during the start up period to cool the room 1.5 times faster and heat the room 4 times faster than Non-Inverter models.





Mild Dry Cooling

Mild dry cooling maintains a higher level of relative humidity of up to 10% compared to regular cooling operation. This helps to reduce skin dryness and dry throat.





Now you can purify living spaces more effectively with nanoe-G.

Using nano-technology fine particles, harmful micro-organisms are removed from the air you breathe.





But what about the ones found on furniture and other surfaces? Amazingly, they can also be deactivated by these particles.

And now, when you switch off your air conditioner, nanoe-G will even deactivate the micro-organisms in the filter.

So you can enjoy complete peace-of-mind with a living environment that is fresher and cleaner.

nance-g FEATURES

nano-technology fine particles to purify the air and clean harmful micro-organisms

attached onto fabrics in the room. And this year, it comes with a brand new feature that deactivates bacteria and viruses trapped in the filter. Thus, giving you the complete

air purification system so you come home to a cleaner living environment.



99%*² Removal

99%*2 Removal

99%*1 Deactivation

Growth Inhibition

Mould

99%*3 Deactivation

















ENERGY SAVING

INTELLIGENT ECO SENSORS



ECONAVI features an energy-saving, intelligent Human Activity Sensor and new Sunlight Sensor technologies that can detect and reduce waste by optimising air conditioner operation according to room conditions.



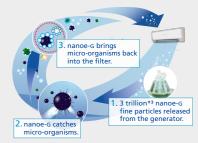
Panasonic's high-efficiency technologies clear stringent energy saving standards. Our new deluxe models have attained high Energy-Efficiency Classification Star Rating, which places them as one of the industry's top class of energy savers. This means you can use these models everyday, without having to worry about the electric bill.



CLEAN AIR



nanoe-g utilises nano-technology fine particles to purify the air in the room. It works effectively on airborne and adhesive micro-organisms such as bacteria, viruses and mould thus ensuring a cleaner living environment.



*3 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 (13m²):100k/cc calculated number of nanoe-G fine particles in the entire room assuming they are evenly distributed.

RELIABILITY

WIDE OPERATING TEMPERATURE RANGE

Panasonic Air Conditioners are perfectly designed to suit New Zealand's climate with outstanding operating temperature range.



Providing outstanding cold climate performance, Panasonic Air Conditioners let you enjoy stable heating even when the outside temperature is below freezing. Units operate from -15°C to 24°C. Add to this exceptional durability and reliability and you are looking at worry-free operation for comfort during winter.



Cooling is possible even when the outside temperature is from *5°C up to *46°C. The highly durable compressors and fan motors found inside Panasonic Air Conditioners help to maintain room comfort even under the hottest conditions.

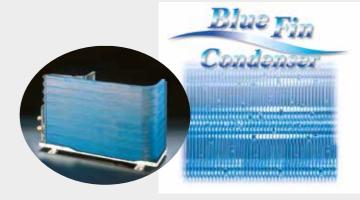




Feature Comparison >> p.32~p.33

BLUE FIN CONDENSER

An air conditioner's performance depends largely on its condenser, which can take a beating from exposure to salty air, wind, dust and other corrosive factors. Panasonic has found a way to expand the life of our condensers, using a layer of our original anti-rust coating. This special coating lets you enjoy more years of reliable comfort plus extra economy over the long run.



■ Special Coating Layer (Fin Cross-section)

■ Cyclic Corrosion Test Results



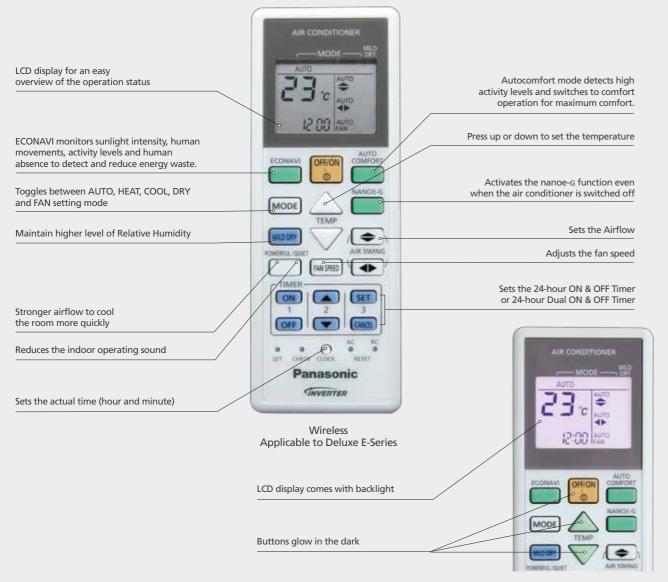
^{*} Applicable to Deluxe E-Series only.

CONVENIENCE

EASY-TO-USE REMOTE CONTROLLER

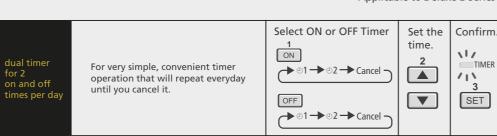
■ Wireless Remote Controller

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



Wireless Backlight (optional) Applicable to Deluxe E-Series





NEW



CS-E7PKR | CS-E9PKR | CS-E12PKR | CS-E15PKR

NEW



CS-E18PKR | CS-E21PKR | CS-E24PKR | CS-E28PKR





SPECIFICATIONS

Model		(240V)	CS-E7PKR (CU-E7PKR)	CS-E9PKR (CU-E9PKR)	CS-E12PKR (CU-E12PKR)	CS-E15PKR (CU-E15PKR)	CS-E18PKR (CU-E18PKR)	CS-E21PKR (CU-E21PKR)	CS-E24PKR (CU-E24PKR)	CS-E28PKR (CU-E28PKR)
		kW	2.05 (0.85~2.40) 2.80 (0.70~4.10)	2.60 (0.90~3.00) 3.60 (0.80~5.00)	3.50 (0.90~4.00) 4.90 (0.80~6.70)	4.40 (0.90~5.00) 5.50 (0.90~7.10)	5.00 (0.90~6.00) 6.35 (0.90~8.00)	6.30 (1.70~7.10) 7.20 (1.70~8.50)	7.00 (1.70~8.10) 8.00 (1.70~9.90)	8.00 (2.30~8.60) 9.00 (2.20~11.00)
Cooling/Heating* ²	Capacity	Btu/h	6,990 (2,900~8,180) 9,550 (2,390~14,000)	8,870 (3,070~10,200) 12,300 (2,730~17,100)	11,900 (3,070~13,600) 16,700 (2,730~22,800)	15,000 (3,070~17,100) 18,800 (3,070~24,200)	17,100 (3,070~20,500) 21,700 (3,070~27,300)	21,500 (5,800~24,200) 24,600 (5,800~29,000)	23,900 (5,800~27,600) 27,300 (5,800~33,800)	27,300 (7,840~29,300) 30,700 (7,500~37,500)
Air Flow		L/s	175 188	200 215	213 222	247 243	283 295	288 277	340 347	359 357
Dehumid		L/h	1.3	1.6	2.0	2.4	2.8	3.5	4.0	4.7
Running Current		А	2.2 2.8	2.5 3.4	3.7 5.5	5.4 6.5	5.8 7.5	8.4 8.5	9.5 9.7	10.9 11.9
Power Input		kW	0.46 (0.20~0.59) 0.62 (0.16~1.05)	0.55 (0.21~0.78) 0.75 (0.18~1.36)	0.83 (0.21~1.10) 1.22 (0.18~1.89)	1.20 (0.22~1.60) 1.47 (0.25~2.25)	1.30 (0.23~2.05) 1.69 (0.26~2.65)	1.80 (0.44~2.20) 1.98 (0.40~2.50)	2.11 (0.43~2.48) 2.21 (0.38~3.00)	2.39 (0.46~2.70) 2.63 (0.50~3.30)
EER/COP		w/w	4.46 4.52	4.73 4.80	4.22 4.02	3.67 3.74	3.85 3.76	3.50 3.64	3.32 3.62	3.35 3.42
Star Rating			3.5 4.0	4.5 4.5	3.0 3.0	2.5 2.5	2.5 2.5	2.0 2.0	2.0 2.5	2.0 2.0
Sound Pressure	Inside (H	i/Lo/S-Lo)	37/24/21 38/25/21	42/25/21 41/27/21	43/26/21 46/29/26	47/30/23 45/31/27	47/34/31 44/33/29	47/36/33 47/35/32	49/37/34 49/37/34	51/38/35 50/38/35
Level*1 dB (A)	Outside	(Hi/S-Lo)	45/— 46/—	47/— 47/—	49/— 50/—	47/42 47/42	48/43 48/43	53/48 53/48	54/49 54/49	55/50 55/50
Sound Power Level dB (A)	Outside	(Hi/S-Lo)	60/— 61/—	62/— 62/—	64/— 65/—	62/57 62/57	62/57 62/57	67/62 67/62	68/63 68/63	73/68 73/68
Net Weight (Outd	oor)	kg	9 (32)	9 (33)	9 (33)	9 (51)	12 (52)	12 (59)	12 (60)	12 (74)
Dimensions	Height x Width x Depth	mm	290 x 870 x 214 (619 x 824 x 299)	290 x 870 x 214 (619 x 824 x 299)	290 x 870 x 214 (619 x 824 x 299)	290 x 870 x 214 (795 x 875 x 320)	290 x 1070 x 240 (795 x 875 x 320)	290 x 1070 x 240 (795 x 875 x 320)	290 x 1070 x 240 (795 x 875 x 320)	290 x 1070 x 240 (1170 x 900 x 320)
Refrigerant	Liquid Side n	nm/(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
Pipe Diameter	Gas Side n	nm/(inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)
Pipe Extension Le	ngth Min-	-Max (m)	3~15	3~15	3~15	3~20	3~20	3~20	3~30	3~30
Pipe Length for Ad	lditional Gas	m	7.5	7.5	7.5	7.5	10	10	10	10
Additional Gas An	nount	g/m	20	20	20	20	20	20	30	30
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Operating Range		egree (°C)	5~46	5~46	5~46	5~46	5~46	5~46	5~46	5~46
(Outdoor)	Heating De	egree (°C)	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24

^{*1} Sound pressure level specification is measured according to JIS C9612.

Rating Conditions

	Cooling	Heating
Inside air temperature	27°C DB/19°C WB	20°C DB
Outside air temperature	35°C DB	7°C DB/6°C WI

OUTDOOR







CU-E15PKR CU-E18PKR CU-E21PKR CU-E24PKR

CU-E28PKR



^{*2} Maximum heating capacity shown are the values based on powerful operation

[·] Power plugs are not supplied with the unit.

[•] Electrical work must be installed by a licensed electrician. Be sure to use the correct rating of the power plug and mains circuit for the

Please read the Installation Instructions carefully before installing the unit, and read the Operating Instructions before using



Slim and Elegant

A neat fit even in limited space

Thanks to the floor console's slim, compact design, you can install it even where space is limited. What's more, although small, the unit is surprisingly powerful and energy-saving.



COMFORTABLE UP-DOWN BI-DIRECTIONAL AIRFLOW WARMS THE ENTIRE ROOM DOWN TO YOUR TOES

■ Upper & Lower Vane Blow

Optimum air flow from the top and bottom of the unit assures that even your feet are kept comfortably warm. (Only during heating)



Compact Design

The design features a flat, elegant front panel that provides a neat appearance. And the unit can be recessed into a wall up to 95 mm.



Compatible with Multi System

You can use up to 4 indoor units with 1 outdoor unit, minimizing the space required for outdoor units.

- *Compatible outdoor units CU-4E27PBE



Super Quiet

The indoor and outdoor units deliver quiet operation. And pressing the Quiet mode button lowers operation noise even further to just 23dB for indoor unit with low fan speed.



*2CS-E9GFEW: In the Quiet mode during cooling/heating operation with low fan speed CS-E12GFEW: In the Quiet mode during heating operation with low fan speed



















CS-E18GFEW

SPECIFICATIONS

I LCII IC	AIIUNS			Heating Cor. Heating Entitle
Model	(240V	CS-E9GFEW (CU-E9GFE-1)	CS-E12GFEW (CU-E12GFR)	CS-E18GFEW (CU-E18GFR)
Casling/Heating Con-	kV	2.50 (0.80~3.00) 3.60 (0.80~5.00)	3.40 (0.80~3.80) 4.40 (0.80~5.40)	5.00 (0.90~5.60) 5.60 (0.90~6.50)
Cooling/Heating Capa	Btu/	8,500 (2,700~10,200) 12,300 (2,700~17,100)	11,600 (2,730~13,000) 15,000 (2,730~18,400)	17,100 (3,070~19,100) 19,100 (3,070~22,200)
Air Flow	U	155 160	158 167	183 217
Dehumid	L/I	1.4	2.0	2.8
Running Current	4	2.65 3.90	3.8 4.9	6.5 6.6
Power Input	kV	0.57 (0.18~0.78) 0.87 (0.17~1.36)	0.86 (0.19~1.14) 1.09 (0.18~1.42)	1.55 (0.26~1.91) 1.50 (0.26~1.73)
EER/COP	w/v	4.39 4.16	3.95 4.04	3.23 3.73
Star Rating		3.5 3.0	2.5 2.5	1.5 2.0
Sound Pressure	Inside (Hi/Lo/S-Lo	38/27/23 38/27/23	39/28/24 39/27/23	44/36/32 46/36/32
Level*1 dB (A)	Outside (Hi/S-Lo	46/— 47/—	48/— 50/—	47/— 48/—
Sound Power Level dB (A)	Outside (Hi/S-Lo	59/— 60/—	63/— 65/—	61/— 62/—
Net Weight	k	14 (34)	14 (35)	14 (49)
Dimensions	Height x Width x Depth mr	600 x 700 x 210 (540 x 780 x 289)	600 x 700 x 210 (540 x 780 x 289)	600 x 700 x 210 (750 x 875 x 345)
Refrigerant	Liquid Side mm/(inch	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
Pipe Diameter	Gas Side mm/(inch	9.52 (3/8)	9.52 (3/8)	12.70 (1 <i>I</i> 2)
Pipe Extension Lengt	h Min~Max (m	3~15	3~15	3~20
Pipe Length for Addit	ional Gas r	7.5	7.5	10
Additional Gas Amou	nt g/r	20	20	20
Power Supply		Outdoor	Outdoor	Outdoor
Operating Range	Cooling Degree (°C	16~43	16~43	16~43
(Outdoor)	Heating Degree (°C	-15~24	-15~24	-15~24

 $^{^{\}star 1}\,\text{Sound}$ Pressure Level is measured according to JIS C 9612.

OUTDOOR





CU-E18GFR



In the Quiet mode during heating/cooling operation with low fan speed (Indoor)





Feature Comparison >> p.32~p.33

Wall-Mounted (Deluxe)







Model No	CS-E7NKEW	CS-E9NKEW	CS-E12NKEW	CS-E15NKEW*1
Capacity	2.0kW class	2.5kW class	3.2kW class	4.0kW class
Model No	CS-E18NKEW*1	CS-E21NKEW*2		
Capacity	5.0kW class	6.0kW class		

Floor Console



Model No	CS-E9GFEW	CS-E12GFEW	CS-E18GFEW*1
Capacity	2.8kW class	3.2kW class	5.0kW class

Hide-Away



Model No	CS-E10KD3EA	CS-E15JD3EA*1	CS-E18JD3EA*1
Capacity	2.5kW class	4.0kW class	5.0kW class

Cassette (4-way)





Model No	CS-E10KB4EA	CS-E15HB4EA*1	CS-E18HB4EA*1	CS-E21JB4EA*2
Capacity	2.5kW class	4.0kW class	5.0kW class	6.0kW class

Floor or Ceiling





Model No	CS-E15DTEW*1	CS-E18DTEW*1	
Capacity	4.0kW class	5.0kW class	

^{*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.

A variety of indoor units Air-quality features (Wall-mounted type only) • nanoe-G Adjusts the operation settings for each indoor unit independently Space-saving 68% less space than four single split types. BIG SPACE SAVINGSI Single Split Type CU-E7PKR BIG SPACE SAVINGSI CU-4E2ZPBE

Combination Patterns

Comb	ination P	ratterns																		
		Indoor Units:	Indoor Units	Refrig	erant Pipe Dia	meter		Р	ipe Extensio	n			Indoor	Unit Combi	nations					
	Models	Possible Combination Patterns Must be within capacity range.	Combination Range	Indoor Unit	Liquid Side	Gas Side	Maximum Pipe Length (1 room)	Maximum Pipe Length (Total)	Maximum Chargeless Length	Additional Gas		Type Capacity [kW class]	Wall- Mounted	Floor Console	Cassette (4-way)	Floor or Ceiling	Hide- Away			
	CU-2E18LBE	— A 2.0 or 2.5 or 2.8 or 3.2 * Either unit	4.0 6.4	Room	ø 6.35	ø 9.52						2.0	•		•		•			
2 rooms	5.2kW Dimensions (HxWxD): 540 x 780(+70) x 289 mm Weight: 38 kg	* Either unit *At least two indoor units must be connected.	kW	Make sure to keep combinations within this	Make sure to keep combinations within this	Make sure to keep combinations within this	Room B	ø 6.35	ø 9.52	20 m	30 m	20 m	20 g/m	10 m	3.2	•	•			
	CU-4E23LBE	PORT A		Room A	ø 6.35	ø 9.52						2.0	•		•		•			
	0	PORT 20, 25, 28, 32, 40, 5.0, 6.0 * Either unit PORT 20, 25, 28, 3.2, 40, 5.0, 6.0	* Either unit	ø 9.52		n 60 m	30 m	20 g/m	15 m	2.8	•	•								
	6.8kW	PORT 2.0 2.5 2.8 3.2 4.0 5.0 6.0			ø 6.35	ø 9.52						4.0	•		•	•	•			
4	Dimensions (HxWxD): 795 x 875(+95) x 320 mm Weight: 72 kg	* At least two indoor units must be connected.		to keep combinations within this	to keep combinations within this		ø 6.35	ø 9.52						6.0	•	•	•	•	•	
rooms	CU-4E27PBE	PORT 2.0 2.5 2.8 3.2 4.0 5.0 6.0		Room A	ø 6.35	ø 9.52						2.0	•							
		PORT 2.0 of 2.5 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0	4.5 l 13.6 kW	Room B	ø 6.35	ø 9.52	25 m	70 m	m 45 m 20	20 a/m		2.5	•	•	•		•			
	8.0kW	PORT 2.0 of 2.5 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0	KVV	Room	ø 6.35	ø 9.52	25 M	70111		20 g/m	13111	3.2	•	•	•					
	Dimensions (HxWxD): 908 x 900 x 320 mm Weight: 73 kg	* Either unit 2.0 or 2.5 or 2.8 or 3.2 or 4.0 or 5.0 or 6.0	Make sure to keep combinations within this range.					5.0	•	•	•	•	•							
		* At least two indoor units must be connected.										6.0	•		•					

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^{*2} 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 outdoor unit.



Indoor units

			Wall-Mounted							
Model			CS-E7NKEW (2.0kW class)	CS-E9NKEW (2.5kW class)	CS-E12NKEW (3.2kW class)	CS-E15NKEW (4.0kW class)	CS-E18NKEW (5.0kW class)	CS-E21NKEW* (6.0kW class)		
Power Source					Single phase	, 230 V, 50 Hz				
Noise	Sound Pressure Level	dB(A)	40/29/26 40/29/26	40/29/26 40/29/26	44/32/29 44/32/29	44/32/29 44/33/29	46/33/30 46/35/32	46/33/30 46/35/32		
	Sound Power Level	dB	56/— 56/—	56/— 56/—	60/— 60/—	60/— 60/—	62/— 62/—	62/— 62/—		
Fan Output		W	40	40	40	40	40	40		
	Height	mm	290	290	290	290	290	290		
Dimensions	Width	mm	870	870	870	870	1,070	1,070		
	Depth	mm	204	204	204	204	235	235		
Net Weight		kg	9.0	9.0	9.0	9.0	12.0	12.0		
Connecting Cable					3 + 1 (earth	, ø1.5 mm²				
Refrigerant	Liquid Side	mm	6.35	6.35	6.35	6.35	6.35	6.35		
Pipe Diameter	Gas Side	mm	9.52	9.52	9.52	9.52*1	9.52*1	12.70*2		

				Floor Console		Floor or Ceiling			
Model			CS-E9GFEW (2.8kW class)	CS-E12GFEW (3.2kW class)	CS-E18GFEW (5.0kW class)	CS-E15DTEW (4.0kW class)	CS-E18DTEW (5.0kW class)		
Power Source					Single phase, 230 V, 50 Hz				
Noise	Sound Pressure Level	dB(A)	38/27/23 38/27/23	39/28/24 39/27/23	44/36/32 46/36/32	45/37/34 45/33/30	46/39/36 47/35/32		
(Hi/Lo/S-Lo)	Sound Power Level	dB	54/— 54/—	55/— 55/—	60/— 62/—	58/— 58/—	59/— 60/—		
Fan Output		W	48	48	48	51	51		
	Height	mm	600	600	600	540	540		
Dimensions	Width	mm	700	700	700	1,028	1,028		
	Depth	mm	210	210	210	200	200		
Net Weight		kg	14.0	14.0	14.0	17.0	18.0		
Connecting Cab	le			3 + 1 (earth), ø1.5 mm ²					
Refrigerant	Liquid Side	mm	6.35	6.35	6.35	6.35	6.35		
Pipe Diameter	Gas Side	mm	9.52	9.52	9.52*1	9.52*1	9.52*1		

				Cassette	(4-way)	Hide-Away				
Model							CS-E10KD3EA (2.5kW class)	CS-E15JD3EA (4.0kW class)	CS-E18JD3EA (5.0kW class)	
Power Source						Single phase, 230 V, 50 Hz				
Noise	Sound Pressure Level	dB(A)	34/26/23 35/28/25	34/26/23 35/28/25	36/28/25 37/29/26	41/33/30 42/34/31	33/24/21 35/25/22	33/27/24 33/27/24	41/30/27 41/32/29	
(Hi/Lo/S-Lo)	Sound Power Level	dB	47/— 58/—	47/— 48/—	49/— 50/—	54/— 55/—	49/— 51/—	49/— 51/—	57/— 57/—	
Fan Output		W	40	40	40	40	30	30	30	
External Static F	ressure	Pa(mmAq)	_	_	_	_ _	34/64 (3.47/6.53)	34/69 (3.47/7.04)	34/78 (3.47/7.95)	
Air Circulations		m³/min	_	_	_	-	6.9	7.9	10.4	
	Height	mm	260	260	260	260	235	235	285	
Dimensions	Width	mm	575	575	575	575	750(+65)	750(+65)	750(+65)	
	Depth	mm	575	575	575	575	370	370	370	
Net Weight		kg	18.0	18.0	18.0	18.0	17.0	18.0	18.0	
Connecting Cab	le					3 + 1 (earth), ø1.5 mm ²				
Refrigerant	Liquid Side	mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	
Pipe Diameter	Gas Side	mm	9.52	9.52*1	9.52*1	12.70*2	9.52	9.52*1	9.52*1	

 $^{^{\}star}$ Only can be used with the CU-4E23LBE & CU-4E27PBE.

Outdoor units

Model		(50Hz)	CU-2E18LBE	CU-4E23LBE	CU-4E27PBE
Indoor-units Combina	tion		3.2 kW + 3.2 kW	2.5 kW + 2.8 kW + 2.8 kW + 2.8 kW	3.2 kW + 3.2 kW + 3.2 kW + 4.0 kW
Power Source			Singl	e phase, 230 V, 50 Hz (Power supply from outdoor	unit)
Cooling Operation	Capacity	kW	5.2 (1.5-5.4)	6.8 (1.9-8.8)	8.0 (3.0-9.2)
	Running Current	А	7.10	7.50	8.70
Electrical Data	Power Input	W	1,520 (250-1,580)	1,680 (340-2,470)	1,980 (530-2,870)
	EER	w/w	3.42	4.05	4.04
Noise	Sound Pressure Level	dB(A)	49/—	48/	48/
	Sound Power Level	dB	64/—	62/—	61/—
Heating Operation	Capacity	kW	5.6 (1.1-7.2)	8.6 (3.0-10.6)	9.4 (4.2-10.6)
	Running Current	А	5.35	8.60	9.10
Electrical Data	Power Input	W	1,210 (210-1,700)	1,850 (580-2,600)	2,080 (700-3,060)
	COP	w/w	4.63	4.65	4.52
Noise	Sound Pressure Level	dB(A)	51	49	49
	Sound Power Level	dB	66	63	62
Maximum Current		А	12.0	15.6	19.0
Starting Current		А	7.10	8.60	9.10
Compressor Output		W	1,500	1,300	2,200
Fan Output		W	40	60	51
Circuit Breaker Ratio		А	15	20	20
	Height	mm	540	795	908
Dimensions	Width	mm	780 (+70)	875 (+95)	900
	Depth	mm	289	320	320
Net Weight		kg	38	72	73
Connecting Cable				3 + 1 (earth), ø1.5 mm ²	
Pipe Length Range (1	room)	m	3-20	3-25	3-25
Maximum Pipe Lengtl	h (Total room)*3	m	30	60	70
Refrigerant	Liquid Side	mm	6.35	6.35	6.35
Pipe Diameter	Gas Side	mm	9.52	9.52	9.52
Operating	Cooling	Degree (°C)	16~43	-10~46	-10~46
Range	Heating	Degree (°C)	-15~24*1	-20~24*2	-20~24*2

^{*1} Operating temperature limit is -15°C with performance data guaranteed down to -10°C.
*2 Operating temperature limit is -20°C with performance data guaranteed down to -15°C.
*3 Additional Gas might be required for some models. Refer to page 25 for information on Additional Gas.

Rating	Conditions
Maulily	Collultions

Cooling	Heating
27°C DB /19°C WB	20°C DB
35°C DB	7°C DB/6°C WB
	27°C DB /19°C WB

^{*1} A pipe size reducer (CZ-MATP) must be used to reduce the pipe diameter to 9.52 mm at the connection port of the indoor unit.
*2 A pipe size expander (CZ-MAZP) 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 outdoor unit.

How to Read the Table Indoor unit combinations are shown here as the number of units operating, and their capacity class.

2.0 + 2.0 rooms 2.0 + 2.8 A combination of two 2.0-kW indoor units __A combination of one 2.2-kW indoor unit and one 2.8-kW indoor unit 2.0 + 2.8 # A.E.C. : Annual Energy Consumption

CU-2E18LBE

				COOLING O	PERATION					HEATING OPERA	ATION	
	Indoor Units Capacity		Cooling (Capacity	Running	Power Input	#		Heating	Capacity	Running	Device leave
	muoor omis capacity	Room A	Room B	Total	Current	rower input	A.E.C.#	Room A	Room B	Total	Current	Power Input
		kW	kW	kW	А	W	kW	kW	kW	kW	А	W
	2.0	2.00	-	2.00 (1.1 - 2.9)	2.45	520 (220 - 750)	260	3.20	-	3.20 (0.7 - 4.8)	3.75	850 (170 - 1,410)
1	2.5	2.50	-	2.50 (1.1 - 3.5)	3.15	670 (220 - 1,000)	335	3.60	-	3.60 (0.7 - 5.5)	4.55	1,030 (170 - 1,700)
room	2.8	2.80	-	2.80 (1.1 - 3.5)	3.50	750 (220 - 1,000)	375	4.00	-	4.00 (0.7 - 5.5)	5.10	1,150 (170 - 1,700)
	3.2	3.20	-	3.20 (1.1 - 4.0)	4.30	920 (220 - 1,220)	460	4.50	-	4.50 (0.7 - 6.2)	5.55	1,250 (170 - 1,810)
	2.0 + 2.0	2.00	2.00	4.00 (1.5 - 5.0)	5.10	1,090 (250 - 1,350)	545	2.70	2.70	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)
	2.0 + 2.5	2.00	2.50	4.50 (1.5 - 5.2)	5.75	1,230 (250 - 1,520)	615	2.40	3.00	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)
	2.0 + 2.8	1.85	2.65	4.50 (1.5 - 5.2)	5.75	1,230 (250 - 1,520)	615	2.25	3.15	5.40 (1.1 - 7.0)	5.20	1,170 (210 - 1,670)
	2.0 + 3.2	1.85	2.95	4.80 (1.5 - 5.3)	6.10	1,310 (250 - 1,540)	655	2.15	3.45	5.60 (1.1 - 7.2)	5.45	1,230 (210 - 1,720)
2	2.5 + 2.5	2.40	2.40	4.80 (1.5 - 5.2)	6.10	1,310 (250 - 1,520)	655	2.80	2.80	5.60 (1.1 - 7.2)	5.55	1,250 (210 - 1,740)
rooms	2.5 + 2.8	2.25	2.55	4.80 (1.5 - 5.2)	6.10	1,310 (250 - 1,520)	655	2.65	2.95	5.60 (1.1 - 7.2)	5.55	1,250 (210 - 1,740)
	2.5 + 3.2	2.20	2.80	5.00 (1.5 - 5.3)	6.95	1,490 (250 - 1,540)	745	2.45	3.15	5.60 (1.1 - 7.2)	5.45	1,230 (210 - 1,720)
	2.8 + 2.8	2.40	2.40	4.80 (1.5 - 5.2)	6.10	1,310 (250 - 1,520)	655	2.80	2.80	5.60 (1.1 - 7.2)	5.55	1,250 (210 - 1,740)
	2.8 + 3.2	2.35	2.65	5.00 (1.5 - 5.3)	6.95	1,490 (250 - 1,540)	745	2.60	3.00	5.60 (1.1 - 7.2)	5.45	1,230 (210 - 1,720)
	3.2 + 3.2	2.60	2.60	5.20 (1.5 - 5.4)	7.10	1,520 (250 - 1,580)	760	2.80	2.80	5.60 (1.1 - 7.2)	5.35	1,210 (210 - 1,700)

*The specifications are different from other type of indoor units when 2.8kW duct type or floor/ceiling type is connected to CU-2E18LBE.

CU-4E23LBE

A.E.C. : Annual Energy Consumption

					C	OOLING OPERATION	V						HEAT	ING OPERATION		
Indoo	r Units Capacity			Cooling Ca	pacity		Din a					Heating	Capacity		Running	
muoo	i Ullits Capacity	Room A	Room B	Room C	Room D	Total	Running Current	Power Input	A.E.C.#	Room A	Room B	Room C	Room D	Total	Current	Power Input
		kW	kW	kW	kW	kW	А	W	kW	kW	kW	kW	kW	kW	А	W
	2.00	2.00	-	-	-	2.00 (1.8 - 2.9)	2.5	500 (340 - 810)	250	3.20	-	-	-	3.20 (1.2 - 4.1)	3.7	740 (300 - 1230)
	2.50	2.50	-		-	2.50 (1.8 - 2.9)	3.2	630 (340 - 810)	315	3.60	-	-	-	3.60 (1.2 - 4.3)	4.7	940 (300 - 1230)
1	2.80	2.80	-	-	-	2.80 (1.8 - 2.9)	3.5	700 (340 - 810)	350	4.00	-	-	-	4.00 (1.2 - 4.3)	5.2	1050 (300 - 1230)
room	3.20	3.20	-	-	-	3.20 (1.8 - 3.8)	3.9	800 (340 - 1360)	400	4.50	-	-	-	4.50 (1.2 - 5.8)	6.0	1230 (300 - 2100)
	4.00	4.00	-	-	-	4.00 (1.8 - 4.3)	5.8	1240 (340 - 1990)	620	5.60	-	-	-	5.60 (1.2 - 6.8)	8.0	1720 (300 - 2930)
	5.00	5.00	-	-	-	5.00 (1.9 - 5.7)	7.2	1550 (340 - 2130)	775	6.80	-	-	-	6.80 (1.2 - 6.9)	9.7	2100 (300 - 2520)
	6.00	6.00	-	-	-	6.00 (1.9 - 6.2)	9.2	2030 (340 - 2330)	1015	8.50	-	-	-	8.50 (1.3 - 9.0)	11.1	2400 (620 - 2530)
	2.0 + 2.0	2.00	2.00	-	-	4.00 (1.9 - 6.4)	4.5	1010 (340 - 2150)	505	2.90	2.90	-	-	5.80 (2.7 - 9.8)	6.7	1450 (610 - 2800)
	2.0 + 2.5	2.00	2.50	-	-	4.50 (1.9 - 6.4)	5.7	1270 (340 - 2150)	635	2.71	3.39	-	-	6.10 (2.7 - 9.8)	7.6	1640 (610 - 2800)
	2.0 + 2.8	2.00	2.80	-	-	4.80 (1.9 - 6.4)	6.1	1350 (340 - 2150)	675	2.67	3.73	-	-	6.40 (2.7 - 9.8)	8.0	1720 (610 - 2800)
	2.0 + 3.2	2.00	3.20		-	5.20 (1.9 - 6.9)	6.8	1510 (340 - 2410)	755	2.69	4.31	-	-	7.00 (2.7 - 9.9)	8.5	1840 (590 - 2800)
	2.0 + 4.0	2.00	4.00	-	-	6.00 (1.9 - 6.9)	8.1	1810 (330 - 2410)	905	2.73	5.47	-		8.20 (2.7 - 9.9)	10.2	2210 (590 - 2800)
	2.0 + 5.0	1.94	4.86	-	-	6.80 (2.0 - 7.5)	8.1	1800 (320 - 2440)	900	2.46	6.14	-		8.60 (2.8 - 10.2)	9.9	2140 (530 - 2760)
	2.0 + 6.0	1.70	5.10	-	-	6.80 (2.0 - 7.5)	8.1	1800 (320 - 2440)	900	2.15	6.45	-	-	8.60 (2.8 - 10.2)	10.6	2290 (530 - 2760)
	2.5 + 2.5	2.50	2.50	-	-	5.00 (1.9 - 6.8)	6.2	1380 (340 - 2400)	690	3.20	3.20	-	-	6.40 (2.7 - 9.8)	7.8	1700 (610 - 2800)
	2.5 + 2.8	2.50	2.80		-	5.30 (1.9 - 6.8)	6.6	1470 (340 - 2400)	735	3.30	3.70	-	-	7.00 (2.7 - 9.8)	8.6	1860 (610 - 2800)
	2.5 + 3.2	2.50	3.20			5.70 (1.9 - 6.9)	7.4	1660 (340 - 2410)	830	3.55	4.55			8.10 (2.7 - 9.9)	10.0	2170 (590 - 2800)
	2.5 + 4.0	2.50	4.00		-	6.50 (1.9 - 6.9)	9.2	2070 (330 - 2410)	1035	3.31	5.29	-		8.60 (2.7 - 9.9)	10.7	2320 (590 - 2800)
	2.5 + 5.0	2.27	4.53		-	6.80 (1.9 - 7.5)	8.8	1970 (320 - 2440)	985	2.87	5.73	-		8.60 (2.8 - 10.2)	9.9	2140 (530 - 2760)
2	2.5 + 6.0	2.00	4.80		-	6.80 (1.9 - 7.5)	8.8	1970 (320 - 2440)	985	2.53	6.07	-		8.60 (2.8 - 10.2)	9.9	2140 (530 - 2760)
rooms	2.8 + 2.8	2.80	2.80		-	5.60 (1.9 - 6.8)	6.9	1550 (340 - 2400)	775	4.00	4.00	-	-	8.00 (2.7 - 9.8)	9.8	2120 (610 - 2800)
	2.8 + 3.2	2.80	3.20			6.00 (1.9 - 6.9)	7.8	1750 (340 - 2410)	875	3.97	4.53	-		8.50 (2.7 - 9.9)	10.5	2280 (590 - 2800)
	2.8 + 4.0	2.80	4.00		·····	6.80 (1.9 - 6.9)	9.7	2170 (330 - 2410)	1085	3.54	5.06			8.60 (2.7 - 9.9)	10.7	2320 (590 - 2800)
	2.8 + 5.0	2.44	4.36		-	6.80 (1.9 - 7.5)	8.8	1970 (320 - 2440)	985	3.09	5.51	-		8.60 (2.8 - 10.2)	9.9	2140 (530 - 2760)
	2.8 + 6.0	2.16	4.64		-	6.80 (1.9 - 7.5)	8.8	1970 (320 - 2440)	985	2.74	5.86	-		8.60 (2.8 - 10.2)	9.9	2140 (530 - 2760)
	3.2 + 3.2	3.20	3.20		-	6.40 (1.9 - 7.0)	8.8	1960 (330 - 2420)	980	4.30	4.30	-		8.60 (2.8 - 10.0)	10.5	2270 (580 - 2800)
	3.2 + 4.0	3.02	3.78			6.80 (1.9 - 7.1)	9.3	2070 (330 - 2420)	1035	3.82	4.78	-		8.60 (2.8 - 10.0)	10.5	2270 (570 - 2800)
	3.2 + 5.0	2.65	4.15		-	6.80 (2.0 - 7.6)	8.5	1890 (320 - 2450)	945	3.36	5.24	-		8.60 (2.8 - 10.3)	9.7	2090 (520 - 2740)
	3.2 + 6.0	2.37	4.43			6.80 (2.0 - 7.6)	8.5	1890 (320 - 2450)	945	2.99	5.61			8.60 (2.8 - 10.3)	9.7	2090 (520 - 2740)
	4.0 + 4.0	3.40	3.40		-	6.80 (1.9 - 7.1)	10.2	2270 (330 - 2420)	1135	4.30	4.30	-		8.60 (2.8 - 10.0)	10.5	2260 (560 - 2800)
	4.0 + 5.0	3.02	3.78		-	6.80 (2.0 - 7.6)	8.5	1890 (320 - 2450)	945	3.82	4.78	-		8.60 (2.8 - 10.3)	9.6	2080 (510 - 2740)
	4.0 + 6.0	2.72	4.08			6.80 (2.0 - 7.6)	8.5	1890 (320 - 2450)	945	3.44	5.16			8.60 (2.8 - 10.3)	9.6	2080 (510 - 2740)
	5.0 + 5.0	3.40	3.40			6.80 (2.1 - 8.1)	8.0	1780 (310 - 2460)	890	4.30	4.30			8.60 (2.8 - 10.5)	9.1	1960 (480 - 2650)
	5.0 + 6.0	3.09	3.71			6.80 (2.1 - 8.1)	8.0	1780 (310 - 2460)	890	3.91	4.69			8.60 (2.8 - 10.5)	9.1	1960 (480 - 2650)
	J.U + U.U	3.03	J.,,			3.00 (2.1 - 0.1)	0.0	.700 (310 - 2400)	050	5.51				3.00 (2.0 - 10.3)	5.1	.500 (-100 - 2030)

CU-4E23LBE # A.E.C.: Annual Energy Consumption

				Cooling Ca		OLING OPERATIO				HEATING OPERATION Heating Capacity Running							
	Indoor Units Capacity	D A				Total	Running Current	Power Input	A.E.C.#	D A	D D			T. t. I	Current	Power Input	
		Room A	Room B	Room C	Room D	Total				Room A	Room B	Room C	Room D	Total			
		kW	kW	kW	kW	kW	А	W	kW	kW	kW	kW	kW	kW	Α	W	
	2.0 + 2.0 + 2.0	2.00	2.00	2.00		6.00 (1.9 - 8.0)	7.4	1650 (340 - 2460)	825	2.86	2.86	2.86		8.58 (3.3 - 10.4)	9.7	2090 (600 - 2	
	2.0 + 2.0 + 2.5	2.00	2.00	2.50	-	6.50 (1.9 - 8.0)	8.2	1830 (340 - 2460)	915	2.65	2.65	3.30		8.60 (3.3 - 10.4)	9.7	2090 (600 - 2	
	2.0 + 2.0 + 2.8	2.00	2.00	2.80	-	6.80 (1.9 - 8.0)	8.6	1910 (340 - 2460)	955	2.53	2.53	3.54		8.60 (3.3 - 10.4)	9.7	2090 (600 - 2	
	2.0 + 2.0 + 3.2	1.89	1.89	3.02	-	6.80 (1.9 - 8.0)	8.6	1910 (340 - 2460)	955	2.39	2.39	3.82	-	8.60 (3.3 - 10.4)	9.6	2070 (590 - 2	
	2.0 + 2.0 + 4.0	1.70	1.70	3.40		6.80 (1.9 - 8.1)	8.3	1860 (340 - 2460)	930	2.15	2.15	4.30		8.60 (3.3 - 10.5)	9.5	2060 (590 - 2	
	2.0 + 2.0 + 5.0	1.51	1.51	3.78		6.80 (2.0 - 8.5)	7.8	1730 (340 - 2460)	865	1.91	1.91	4.78		8.60 (3.2 - 10.6)	8.9	1930 (570 - 2	
	2.0 + 2.0 + 6.0	1.36	1.36	4.08		6.80 (2.0 - 8.5)	7.8	1730 (340 - 2460)	865	1.72	1.72	5.16		8.60 (3.2 - 10.6)	8.9	1930 (570 - 2	
	2.0 + 2.5 + 2.5	1.94	2.43	2.43		6.80 (1.9 - 8.0)	8.6	1910 (340 - 2460)	955	2.46	3.07	3.07		8.60 (3.3 - 10.4)	9.7	2090 (600 - 2	
	2.0 + 2.5 + 2.8	1.86	2.33	2.61		6.80 (1.9 - 8.0)	8.6	1910 (340 - 2460)	955	2.35	2.95	3.30		8.60 (3.3 - 10.4)	9.7	2090 (600 - 2	
	2.0 + 2.5 + 3.2	1.76	2.21	2.83		6.80 (1.9 - 8.0)	8.6	1910 (340 - 2460)	955	2.23	2.79	3.58		8.60 (3.3 - 10.4)	9.6	2070 (590 - 2	
	2.0 + 2.5 + 4.0	1.60	2.00	3.20		6.80 (1.9 - 8.1)	8.3	1860 (340 - 2460)	930	2.02	2.53	4.05		8.60 (3.3 - 10.5)	9.5	2060 (590 - 2	
	2.0 + 2.5 + 4.0	1.43	1.79	3.58		6.80 (2.0 - 8.5)		1730 (340 - 2460)		1.81	2.26	4.53		8.60 (3.2 - 10.6)	8.9	1930 (570 - 2	
							7.8	1730 (340 - 2460)	865		2.05	4.91		L		1930 (570 -	
	2.0 + 2.5 + 6.0	1.29	1.62	3.89		6.80 (2.0 - 8.5)	7.8		865	1.64	+			8.60 (3.2 - 10.6)	8.9		
	2.0 + 2.8 + 2.8	1.78	2.51	2.51		6.80 (1.9 - 8.0)	8.6	1910 (340 - 2460)	955	2.26	3.17	3.17	ļ -	8.60 (3.3 - 10.4)	9.7	2090 (600 -	
	2.0 + 2.8 + 3.2	1.70	2.38	2.72	-	6.80 (1.9 - 8.0)	8.6	1910 (340 - 2460)	955	2.15	3.01	3.44		8.60 (3.3 - 10.4)	9.6	2070 (590 -	
	2.0 + 2.8 + 4.0	1.55	2.16	3.09	-	6.80 (1.9 - 8.1)	8.3	1860 (340 - 2460)	930	1.95	2.74	3.91	-	8.60 (3.3 - 10.5)	9.5	2060 (590 -	
	2.0 + 2.8 + 5.0	1.39	1.94	3.47	-	6.80 (2.0 - 8.5)	7.8	1730 (340 - 2460)	865	1.75	2.46	4.39	-	8.60 (3.2 - 10.6)	8.9	1930 (570 -	
	2.0 + 2.8 + 6.0	1.26	1.76	3.78	-	6.80 (2.0 - 8.5)	7.8	1730 (340 - 2460)	865	1.59	2.23	4.78	-	8.60 (3.2 - 10.6)	8.9	1930 (570 -	
	2.0 + 3.2 + 3.2	1.62	2.59	2.59	-	6.80 (1.9 - 8.1)	8.3	1860 (340 - 2460)	930	2.04	3.28	3.28	-	8.60 (3.3 - 10.5)	9.5	2050 (590 -	
	2.0 + 3.2 + 4.0	1.47	2.37	2.96	-	6.80 (1.9 - 8.2)	8.3	1860 (340 - 2460)	930	1.87	2.99	3.74		8.60 (3.3 - 10.5)	9.4	2040 (580 -	
	2.0 + 3.2 + 5.0	1.33	2.13	3.34		6.80 (2.0 - 8.5)	7.8	1730 (340 - 2460)	865	1.68	2.70	4.22	1	8.60 (3.2 - 10.6)	8.8	1910 (570 -	
	2.0 + 4.0 + 4.0	1.36	2.72	2.72		6.80 (1.9 - 8.2)	8.2	1820 (340 - 2460)	910	1.72	3.44	3.44	1	8.60 (3.3 - 10.5)	9.4	2030 (580 -	
	2.0 + 4.0 + 5.0	1.24	2.47	3.09		6.80 (2.0 - 8.5)	7.8	1730 (340 - 2460)	865	1.56	3.13	3.91		8.60 (3.2 - 10.6)	8.8	1910 (570 -	
ns	2.5 + 2.5 + 2.5	2.26	2.26	2.26		6.78 (1.9 - 8.0)	8.6	1910 (340 - 2460)	955	2.86	2.86	2.86	 	8.58 (3.3 - 10.4)	9.7	2090 (600 -	
	2.5 + 2.5 + 2.8	2.20	2.18	2.44		6.80 (1.9 - 8.0)	8.6	1910 (340 - 2460)	955	2.76	2.76	3.08		8.60 (3.3 - 10.4)	9.7	2090 (600 -	
	2.5 + 2.5 + 2.6	L		2.66					L		I	3.36				2070 (590 -	
		2.07	2.07			6.80 (1.9 - 8.0)	8.6	1910 (340 - 2460)	955	2.62	2.62			8.60 (3.3 - 10.4)	9.6	L	
	2.5 + 2.5 + 4.0	1.89	1.89	3.02		6.80 (1.9 - 8.1)	8.3	1860 (340 - 2460)	930	2.39	2.39	3.82		8.60 (3.3 - 10.5)	9.5	2060 (590 -	
	2.5 + 2.5 + 5.0	1.70	1.70	3.40		6.80 (2.0 - 8.5)	7.8	1730 (340 - 2460)	865	2.15	2.15	4.30		8.60 (3.2 - 10.6)	8.9	1930 (570 -	
	2.5 + 2.5 + 6.0	1.55	1.55	3.70	-	6.80 (2.0 - 8.5)	7.8	1730 (340 - 2460)	865	1.95	1.95	4.70	ļ	8.60 (3.2 - 10.6)	8.9	1930 (570 -	
	2.5 + 2.8 + 2.8	2.10	2.35	2.35	-	6.80 (1.9 - 8.0)	8.6	1910 (340 - 2460)	955	2.66	2.97	2.97		8.60 (3.3 - 10.4)	9.7	2090 (600 -	
	2.5 + 2.8 + 3.2	2.00	2.24	2.56	-	6.80 (1.9 - 8.0)	8.6	1910 (340 - 2460)	955	2.53	2.83	3.24		8.60 (3.3 - 10.4)	9.6	2070 (590 -	
	2.5 + 2.8 + 4.0	1.83	2.05	2.92	-	6.80 (1.9 - 8.1)	8.3	1860 (340 - 2460)	930	2.31	2.59	3.70	-	8.60 (3.3 - 10.5)	9.5	2060 (590 -	
	2.5 + 2.8 + 5.0	1.65	1.85	3.30	-	6.80 (2.0 - 8.5)	7.8	1730 (340 - 2460)	865	2.09	2.34	4.17	-	8.60 (3.2 - 10.6)	8.9	1930 (570 -	
	2.5 + 3.2 + 3.2	1.92	2.44	2.44	-	6.80 (1.9 - 8.1)	8.3	1860 (340 - 2460)	930	2.42	3.09	3.09	-	8.60 (3.3 - 10.5)	9.5	2050 (590 -	
	2.5 + 3.2 + 4.0	1.75	2.24	2.81		6.80 (1.9 - 8.2)	8.3	1860 (340 - 2460)	930	2.21	2.84	3.55		8.60 (3.3 - 10.5)	9.4	2040 (580 -	
	2.5 + 3.2 + 5.0	1.59	2.03	3.18		6.80 (2.0 - 8.5)	7.8	1730 (340 - 2460)	865	2.01	2.57	4.02		8.60 (3.2 - 10.6)	8.8	1910 (570 -	
	2.5 + 4.0 + 4.0	1.62	2.59	2.59		6.80 (1.9 - 8.2)	8.2	1820 (340 - 2460)	910	2.04	3.28	3.28		8.60 (3.3 - 10.5)	9.4	2030 (580 -	
	2.8 + 2.8 + 2.8	2.26	2.26	2.26		6.78 (1.9 - 8.0)	8.6	1910 (340 - 2460)	955	2.86	2.86	2.86		8.58 (3.3 - 10.4)	9.7	2090 (600 -	
	2.8 + 2.8 + 3.2	2.16	2.16	2.48		6.80 (1.9 - 8.0)	8.6	1910 (340 - 2460)	955	2.74	2.74			8.60 (3.3 - 10.4)	9.6		
		1.98	1.98	2.84		6.80 (1.9 - 8.1)	8.3	1860 (340 - 2460)	930	2.51	2.51	3.12		8.60 (3.3 - 10.5)	+	2070 (590 -	
ł	2.8 + 2.8 + 4.0		1.80	3.20				1730 (340 - 2460)			2.27	3.58			9.5	2060 (590 -	
	2.8 + 2.8 + 5.0	1.80				6.80 (2.0 - 8.5)	7.8		865	2.27		4.06		8.60 (3.2 - 10.6)	8.9	1930 (570 -	
	2.8 + 3.2 + 3.2	2.06	2.37	2.37		6.80 (1.9 - 8.1)	8.3	1860 (340 - 2460)	930	2.62	2.99	2.99		8.60 (3.3 - 10.5)	9.5	2050 (590 -	
	2.8 + 3.2 + 4.0	1.90	2.18	2.72		6.80 (1.9 - 8.2)	8.3	1860 (340 - 2460)	930	2.41	2.75	3.44		8.60 (3.3 - 10.5)	9.4	2040 (580 -	
	2.8 + 3.2 + 5.0	1.73	1.98	3.09		6.80 (2.0 - 8.5)	7.8	1730 (340 - 2460)	865	2.19	2.50	3.91		8.60 (3.2 - 10.6)	8.8	1910 (570 -	
	2.8 + 4.0 + 4.0	1.76	2.52	2.52		6.80 (1.9 - 8.2)	8.2	1820 (340 - 2460)	910	2.22	3.19	3.19		8.60 (3.3 - 10.5)	9.4	2030 (580 -	
	3.2 + 3.2 + 3.2	2.26	2.26	2.26		6.78 (1.9 - 8.2)	8.2	1820 (340 - 2460)	910	2.86	2.86	2.86	ļ	8.58 (3.3 - 10.5)	9.2	1990 (580 -	
	3.2 + 3.2 + 4.0	2.09	2.09	2.62	-	6.80 (1.9 - 8.2)	8.2	1820 (340 - 2460)	910	2.65	2.65	3.30	-	8.60 (3.3 - 10.5)	9.2	1980 (580 -	
	2.0 + 2.0 + 2.0 + 2.0	1.70	1.70	1.70	1.70	6.80 (1.9 - 8.7)	7.6	1690 (340 - 2460)	845	2.15	2.15	2.15	2.15	8.60 (3.1 - 10.6)	8.6	1870 (580 -	
	2.0 + 2.0 + 2.0 + 2.5	1.60	1.60	1.60	2.00	6.80 (1.9 - 8.7)	7.6	1690 (340 - 2460)	845	2.02	2.02	2.02	2.54	8.60 (3.1 - 10.6)	8.6	1870 (580 -	
	2.0 + 2.0 + 2.0 + 2.8	1.55	1.55	1.55	2.15	6.80 (1.9 - 8.7)	7.6	1690 (340 - 2460)	845	1.95	1.95	1.95	2.75	8.60 (3.1 - 10.6)	8.6	1870 (580 -	
	2.0 + 2.0 + 2.0 + 3.2	1.48	1.48	1.48	2.36	6.80 (1.9 - 8.8)	7.4	1650 (340 - 2470)	825	1.87	1.87	1.87	2.99	8.60 (3.0 - 10.6)	8.6	1850 (580 -	
	2.0 + 2.0 + 2.0 + 4.0	1.36	1.36	1.36	2.72	6.80 (1.9 - 8.8)	7.4	1650 (340 - 2470)	825	1.72	1.72	1.72	3.44	8.60 (3.0 - 10.6)	8.5	1840 (590 -	
	2.0 + 2.0 + 2.0 + 4.0	1.24	1.24	1.24	3.08	6.80 (1.9 - 8.8)	7.5	1680 (340 - 2470)	840	1.56	1.56	1.56	3.92	8.60 (3.0 - 10.6)	8.6	1850 (580 -	
	2.0 + 2.0 + 2.5 + 2.5			1.89	1.89	6.80 (1.9 - 8.7)	7.6	1690 (340 - 2470)	845		1.91	2.39	2.39	8.60 (3.1 - 10.6)	+	1870 (580 -	
		1.51	1.51		I	6.80 (1.9 - 8.7)	7.6			1.91	·			L	8.6	L	
	2.0 + 2.0 + 2.5 + 2.8	1.46	1.46	1.83	2.05			1690 (340 - 2460)	845	1.85	1.85	2.31	2.59	8.60 (3.1 - 10.6)	8.6	1870 (580 -	
	2.0 + 2.0 + 2.5 + 3.2	1.40	1.40	1.75	2.25	6.80 (1.9 - 8.8)	7.4	1650 (340 - 2470)	825	1.77	1.77	2.22	2.84	8.60 (3.0 - 10.6)	8.6	1850 (580 -	
	2.0 + 2.0 + 2.5 + 4.0	1.30	1.30	1.61	2.59	6.80 (1.9 - 8.8)	7.4	1650 (340 - 2470)	825	1.64	1.64	2.04	3.28	8.60 (3.0 - 10.6)	8.5	1840 (590 -	
	2.0 + 2.0 + 2.8 + 2.8	1.42	1.42	1.98	1.98	6.80 (1.9 - 8.7)	7.6	1690 (340 - 2460)	845	1.79	1.79	2.51	2.51	8.60 (3.1 - 10.6)	8.6	1870 (580 -	
	2.0 + 2.0 + 2.8 + 3.2	1.36	1.36	1.90	2.18	6.80 (1.9 - 8.8)	7.4	1650 (340 - 2470)	825	1.72	1.72	2.41	2.75	8.60 (3.0 - 10.6)	8.6	1850 (580 -	
	2.0 + 2.0 + 2.8 + 4.0	1.26	1.26	1.76	2.52	6.80 (1.9 - 8.8)	7.4	1650 (340 - 2470)	825	1.59	1.59	2.23	3.19	8.60 (3.0 - 10.6)	8.5	1840 (590 -	
	2.0 + 2.0 + 3.2 + 3.2	1.31	1.31	2.09	2.09	6.80 (1.9 - 8.8)	7.4	1650 (340 - 2430)	825	1.65	1.65	2.65	2.65	8.60 (3.0 - 10.6)	8.5	1830 (590 -	
ns	2.0 + 2.5 + 2.5 + 2.5	1.43	1.79	1.79	1.79	6.80 (1.9 - 8.7)	7.6	1690 (340 - 2460)	845	1.82	2.26	2.26	2.26	8.60 (3.1 - 10.6)	8.6	1870 (580 -	
	2.0 + 2.5 + 2.5 + 2.8	1.39	1.73	1.73	1.95	6.80 (1.9 - 8.7)	7.6	1690 (340 - 2460)	845	1.76	2.19	2.19	2.46	8.60 (3.1 - 10.6)	8.6	1870 (580 -	
	2.0 + 2.5 + 2.5 + 3.2	1.33	1.67	1.67	2.13	6.80 (1.9 - 8.8)	7.4	1650 (340 - 2470)	825	1.68	2.11	2.11	2.70	8.60 (3.0 - 10.6)	8.6	1850 (580 -	
	2.0 + 2.5 + 2.5 + 4.0	1.23	1.55	1.55	2.47	6.80 (1.9 - 8.8)	7.5	1680 (340 - 2470)	840	1.56	1.95	1.95	3.14	8.60 (3.0 - 10.6)	8.6	1850 (590 -	
	2.0 + 2.5 + 2.8 + 2.8	1.34	1.68	1.89	1.89	6.80 (1.9 - 8.7)	7.6	1690 (340 - 2460)	845	1.70	2.14	2.38	2.38	8.60 (3.1 - 10.6)	8.6	1870 (580 -	
	2.0 + 2.5 + 2.8 + 3.2				2.07	6.80 (1.9 - 8.8)		1650 (340 - 2460)			·	2.29	2.62	8.60 (3.0 - 10.6)	+	1850 (580 -	
		1.30	1.62	1.81			7.4		825	1.64	2.05				8.6		
	2.0 + 2.5 + 3.2 + 3.2	1.24	1.56	2.00	2.00	6.80 (1.9 - 8.8)	7.4	1650 (340 - 2430)	825	1.58	1.98	2.52	2.52	8.60 (3.0 - 10.6)	8.5	1830 (590 -	
	2.0 + 2.8 + 2.8 + 2.8	1.31	1.83	1.83	1.83	6.80 (1.9 - 8.7)	7.6	1690 (340 - 2460)	845	1.64	2.32	2.32	2.32	8.60 (3.1 - 10.6)	8.6	1870 (580 -	
	2.0 + 2.8 + 2.8 + 3.2	1.26	1.76	1.76	2.02	6.80 (1.9 - 8.8)	7.5	1680 (340 - 2470)	840	1.59	2.23	2.23	2.55	8.60 (3.0 - 10.6)	8.6	1850 (580 -	
	2.5 + 2.5 + 2.5 + 2.5	1.70	1.70	1.70	1.70	6.80 (1.9 - 8.7)	7.6	1690 (340 - 2460)	845	2.15	2.15	2.15	2.15	8.60 (3.1 - 10.6)	8.6	1870 (580 -	
	2.5 + 2.5 + 2.5 + 2.8	1.65	1.65	1.65	1.85	6.80 (1.9 - 8.7)	7.6	1690 (340 - 2460)	845	2.09	2.09	2.09	2.33	8.60 (3.1 - 10.6)	8.6	1870 (580 -	
	2.5 + 2.5 + 2.5 + 3.2	1.59	1.59	1.59	2.03	6.80 (1.9 - 8.8)	7.4	1650 (340 - 2470)	825	2.01	2.01	2.01	2.57	8.60 (3.0 - 10.6)	8.6	1850 (580 -	
	2.5 + 2.5 + 2.8 + 2.8	1.60	1.60	1.80	1.80	6.80 (1.9 - 8.7)	7.6	1690 (340 - 2460)	845	2.03	2.03	2.27	2.27	8.60 (3.1 - 10.6)	8.6	1870 (580 -	
	2.5 + 2.5 + 2.8 + 3.2	1.55	1.55	1.72	1.98	6.80 (1.9 - 8.8)	7.5	1680 (340 - 2470)	840	1.95	1.95	2.19	2.51	8.60 (3.0 - 10.6)	8.6	1850 (580 -	
-		1.55	1.75	1.75	1.75	6.80 (1.9 - 8.7)	7.6	1690 (340 - 2460)	845	1.97	2.21	2.21	2.21	8.60 (3.1 - 10.6)	8.6	1870 (580 -	

Note: When the Multi Inverter Split Type is used to operate two or more indoor units simultaneously, the capacity of each indoor unit may be lower than that when operating only one indoor unit. Be sure to refer to the following table to select the appropriate models.

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CU-4E27PBE # A.E.C. : Annual Energy Consumption

				C 1' C		OOLING OPERATION					11		NG OPERATION		
Indo	or Units Capacity			Cooling C			Running				Heating C			Running	
	,	Room A	Room B	Room C	Room D	Total	Current		Room A	Room B	Room C	Room D	Total	Current	
	2.0	kW	kW	kW	kW	kW	Α 2.40		kW	kW	kW	kW	kW	A	
	2.0 2.5	2.00				2.00 (1.8 - 2.9) 2.50 (1.8 - 2.9)	2.10		3.20 3.60				3.20 (1.2 - 4.1) 3.60 (1.2 - 4.3)	4.85	
1	2.8	2.80				2.80 (1.8 - 2.9)	2.95		4.00				4.00 (1.2 - 4.3)	5.40	
room	3.2 4.0	3.20 4.00				3.20 (1.8 - 3.8) 4.00 (1.8 - 4.3)	3.40 4.60		4.50 5.60				4.50 (1.2 - 5.8) 5.60 (1.2 - 6.8)	5.85	
100111	5.0	5.00				5.00 (1.9 - 5.7)	7.15		6.80				6.80 (1.2 - 6.9)	12.40	
	6.0	6.00	-	-	-	6.00 (1.9 - 6.2)			8.50				8.50 (1.3 - 9.0)		
	2.0 + 2.0 2.0 + 2.5	2.00	2.00			4.00 (2.4 - 5.8)	3.95 4.90		2.90	2.90 3.39			5.80 (2.2 - 8.2) 6.10 (2.2 - 8.2)	6.50	
	2.0 + 2.8	2.00	2.80			4.50 (2.4 - 5.8) 4.80 (2.4 - 5.8)	5.20		2.71	3.79			6.50 (2.2 - 8.2)	7.55	
	2.0 + 3.2	2.00	3.20			5.20 (2.4 - 5.8)	5.80		2.65	4.25			6.90 (2.2 - 8.6)	7.65	
	2.0 + 4.0 2.0 + 5.0	2.00	4.00 5.00			6.00 (2.4 - 6.7) 7.00 (2.4 - 8.1)	7.75		2.63	5.27 6.43			7.90 (2.2 - 9.8) 9.00 (2.2 - 10.0)	9.05	
	2.0 + 6.0	2.00	6.00			8.00 (2.4 - 8.5)	11.00		2.35	7.05			9.40 (2.2 - 10.0)	9.90	
	2.5 + 2.5	2.50	2.50			5.00 (2.4 - 5.8)	6.10		3.25	3.25			6.50 (2.2 - 8.6)	8.15	
	2.5 + 2.8	2.50	2.80 3.20			5.30 (2.4 - 5.8)	6.50		3.21	3.59 4.10			6.80 (2.2 - 8.6) 7.30 (2.2 - 9.8)	8.65	
	2.5 + 3.2 2.5 + 4.0	2.50	4.00			5.70 (2.4 - 6.7) 6.50 (2.4 - 7.2)	9.60		3.20 3.19	5.11			8.30 (2.2 - 10.0)	9.65	
	2.5 + 5.0	2.50	5.00			7.50 (2.4 - 8.5)	11.50		3.13	6.27			9.40 (2.2 - 10.0)	10.50	
2	2.5 + 6.0 2.8 + 2.8	2.35	5.65 2.80			8.00 (2.5 - 8.5)	6.85		2.76 3.60	6.64 3.60			9.40 (2.2 - 10.0) 7.20 (2.2 - 8.6)	0 05	
e ooms	20.22	2.80	3.20			5.60 (2.4 - 5.8) 6.00 (2.4 - 6.7)	7.55		3.59	4.11			7.70 (2.2 - 9.8)	8.70	
JUIIIS	2.8 + 4.0	2.80	4.00			6.80 (2.4 - 7.2)	10.00		3.54	5.06			8.60 (2.2 - 10.0)	9.65	
	2.8 + 5.0 2.8 + 6.0	2.80	5.00			7.80 (2.4 - 8.5) 8.00 (2.5 - 8.5)	11.50		3.37 2.99	6.03			9.40 (2.2 - 10.0) 9.40 (2.2 - 10.3)	10.50	
	3.2 + 3.2	3.20	3.20			6.40 (2.4 - 7.2)	8.15		4.05	4.05			8.10 (2.2 - 10.3)	9.30	
	3.2 + 4.0	3.20	4.00			7.20 (2.4 - 8.1)	10.60		4.04	5.06			9.10 (2.2 - 10.0)	9.85	
	3.2 + 5.0	3.12	4.88			8.00 (2.5 - 8.5)	12.30		3.67	5.73			9.40 (2.2 - 10.0) 9.40 (2.2 - 10.3)	10.50	
	3.2 + 6.0 4.0 + 4.0	2.78 4.00	5.22 4.00			8.00 (2.5 - 8.5) 8.00 (2.5 - 8.5)	11.50		3.27 4.70	6.13 4.70	·		9.40 (2.2 - 10.3)	10.30	
	4.0 + 5.0	3.56	4.44			8.00 (2.5 - 8.5)			4.18	5.22	l		9.40 (2.2 - 10.3)	10.90	
	4.0 + 6.0	3.20	4.80			8.00 (2.5 - 8.6)			3.76	5.64			9.40 (2.2 - 10.3)		
	5.0 + 5.0 5.0 + 6.0	3.64	4.00			8.00 (2.5 - 8.6) 8.00 (2.5 - 8.6)	12.50		4.70 4.27	4.70 5.13	ļi		9.40 (2.2 - 10.3) 9.40 (2.2 - 10.5)		
	6.0 + 6.0	4.00	4.00			8.00 (2.5 - 8.6)			4.70	4.70			9.40 (2.2 - 10.5)		
	2.0 + 2.0 + 2.0	2.00	2.00	2.00		6.00 (3.0 - 8.5)	6.65		2.87	2.87	2.87	:	8.61 (3.2 - 10.4) 9.00 (3.2 - 10.4)	8.80	
	2.0 + 2.0 + 2.5 2.0 + 2.0 + 2.8	2.00	2.00	2.50		6.50 (3.0 - 8.5) 6.80 (3.0 - 8.5)	8.10		2.77	2.77	3.46		9.40 (3.2 - 10.4)	8.85	
	2.0 + 2.0 + 3.2	2.00	2.00	3.20		7.20 (3.0 - 8.5)	8.70		2.61	2.61	4.18		9.40 (3.2 - 10.4)	8.95	
	2.0 + 2.0 + 4.0	2.00	2.00	4.00		8.00 (3.0 - 8.6)	10.30		2.35	2.35	4.70	:	9.40 (3.2 - 10.4)	9.50	
	2.0 + 2.0 + 5.0 2.0 + 2.0 + 6.0	1.78	1.78 1.60	4.44 4.80		8.00 (3.0 - 8.6) 8.00 (3.0 - 8.8)	10.80		2.09 1.88	2.09 1.88	5.22 5.64		9.40 (3.2 - 10.5) 9.40 (3.2 - 10.5)	9.30	
	2.0 + 2.5 + 2.5	2.00	2.50	2.50		7.00 (3.0 - 8.5)	9.40		2.68	3.36	3.36		9.40 (3.2 - 10.4)	9.20	
	2.0 + 2.5 + 2.8	2.00	2.50	2.80		7.30 (3.0 - 8.5)	9.40		2.57	3.22	3.61		9.40 (3.2 - 10.4)	9.20	
	2.0 + 2.5 + 3.2 2.0 + 2.5 + 4.0	2.00	2.50 2.35	3.20		7.70 (3.0 - 8.5) 8.00 (3.0 - 8.6)	9.85 11.00		2.44	3.05 2.76	3.91 4.43		9.40 (3.2 - 10.4) 9.40 (3.2 - 10.4)	9.30	
	2.0 + 2.5 + 5.0	1.68	2.11	4.21		8.00 (3.0 - 8.6)	10.80		1.98	2.47	4.95		9.40 (3.2 - 10.5)	9.15	
	2.0 + 2.5 + 6.0	1.52	1.90	4.58		8.00 (3.0 - 8.8)			1.79	2.24	5.37		9.40 (3.2 - 10.5)		
	2.0 + 2.8 + 2.8 2.0 + 2.8 + 3.2	2.00	2.80 2.80	2.80 3.20		7.60 (3.0 - 8.5) 8.00 (3.0 - 8.6)	9.40 9.85		2.48	3.46	3.46		9.40 (3.2 - 10.4) 9.40 (3.2 - 10.4)	9.20	
	2.0 + 2.8 + 4.0	1.81	2.55	3.64		8.00 (3.0 - 8.6)	11.00		2.14	2.99	4.27		9.40 (3.2 - 10.5)	9.50	
	2.0 + 2.8 + 5.0	1.63	2.29	4.08		8.00 (3.0 - 8.6)	10.80		1.91	2.69	4.80		9.40 (3.2 - 10.5)	9.15	
	2.0 + 2.8 + 6.0 2.0 + 3.2 + 3.2	1.48	2.07 3.05	4.45 3.05		8.00 (3.0 - 8.8) 8.00 (3.0 - 8.6)	10.10		1.74 2.24	2.44 3.58	5.22 3.58		9.40 (3.2 - 10.5) 9.40 (3.2 - 10.4)	9.40	
	2.0 + 3.2 + 4.0	1.74	2.78	3.48		8.00 (3.0 - 8.6)	10.40		2.04	3.27	4.09		9.40 (3.2 - 10.5)	9.50	
	2.0 + 3.2 + 5.0	1.57	2.51	3.92		8.00 (3.0 - 8.8)	10.90		1.84	2.95	4.61		9.40 (3.2 - 10.5)	9.55	
	2.0 + 3.2 + 6.0 2.0 + 4.0 + 4.0	1.42	2.29 3.20	4.29 3.20		8.00 (3.0 - 8.8) 8.00 (3.0 - 8.8)	10.40		1.67	2.69 3.76	5.04 3.76		9.40 (3.2 - 10.6) 9.40 (3.2 - 10.5)		
	2.0 + 4.0 + 4.0	1.45	2.91	3.64		8.00 (3.0 - 8.8)	10.40		1.71	3.42	4.27		9.40 (3.2 - 10.5)	9.30	
	2.0 + 4.0 + 6.0	1.33	2.67	4.00		8.00 (3.0 - 9.0)			1.57	3.13	4.70		9.40 (3.2 - 10.6)		
	2.0 + 5.0 + 5.0	1.34	3.33 3.08	3.33		8.00 (3.0 - 9.0)	10.70		1.56	3.92	3.92 4.34		9.40 (3.2 - 10.6) 9.40 (3.2 - 10.6)	9.55	
	2.0 + 5.0 + 6.0 2.5 + 2.5 + 2.5	2.50	2.50	2.50		8.00 (3.0 - 9.0) 7.50 (3.0 - 8.5)	10.80		3.13	3.13	3.13		9.39 (3.2 - 10.4)	9.55	
	2.5 + 2.5 + 2.8	2.50	2.50	2.80		7.80 (3.0 - 8.5)	10.80		3.01	3.01	3.38		9.40 (3.2 - 10.4)	9.55	
	2.5 + 2.5 + 3.2 2.5 + 2.5 + 4.0	2.44	2.44	3.12		8.00 (3.0 - 8.6)	11.00		2.87	2.87	3.66	:	9.40 (3.2 - 10.4) 9.40 (3.2 - 10.5)	9.65	
	2.5 + 2.5 + 4.0	2.22	2.22	3.56 4.00		8.00 (3.0 - 8.6) 8.00 (3.0 - 8.8)	11.00 10.80		2.61	2.61	4.18 4.70		9.40 (3.2 - 10.5)	9.20	
	2.5 + 2.5 + 6.0	1.82	1.82	4.36		8.00 (3.0 - 8.8)			2.14	2.14	5.12		9.40 (3.2 - 10.5)		
_	2.5 + 2.8 + 2.8	2.46	2.77	2.77	:	8.00 (3.0 - 8.6)	10.80		2.90	3.25	3.25	:	9.40 (3.2 - 10.4) 9.40 (3.2 - 10.4)	9.55	
3	2.5 + 2.8 + 3.2 2.5 + 2.8 + 4.0	2.35	2.64 2.41	3.01		8.00 (3.0 - 8.6) 8.00 (3.0 - 8.6)	11.00 11.00		2.76	3.10 2.83	3.54 4.04		9.40 (3.2 - 10.4)	9.65	
ooms	2.5 + 2.8 + 5.0	1.94	2.17	3.89		8.00 (3.0 - 8.8)	10.80		2.28	2.56	4.56		9.40 (3.2 - 10.5)	9.20	
	2.5 + 2.8 + 6.0	1.77	1.98	4.25		8.00 (3.0 - 8.8)	10.40		2.08	2.33	4.99		9.40 (3.2 - 10.6) 9.40 (3.2 - 10.5)		
	2.5 + 3.2 + 3.2 2.5 + 3.2 + 4.0	2.24	2.88	2.88 3.30		8.00 (3.0 - 8.6) 8.00 (3.0 - 8.6)	10.40		2.64	3.38 3.10	3.38		9.40 (3.2 - 10.5)	9.55	
	2.5 + 3.2 + 5.0	1.87	2.39	3.74		8.00 (3.0 - 8.8)	10.30		2.20	2.81	4.39		9.40 (3.2 - 10.5)	9.50	
	2.5 + 3.2 + 6.0	1.71	2.19	4.10		8.00 (3.0 - 8.8)			2.01	2.57	4.82 3.58		9.40 (3.2 - 10.6)		
	2.5 + 4.0 + 4.0 2.5 + 4.0 + 5.0	1.90	3.05 2.78	3.05 3.48		8.00 (3.0 - 8.8) 8.00 (3.0 - 8.8)	10.40 10.30		2.24	3.58	4.09		9.40 (3.2 - 10.5) 9.40 (3.2 - 10.6)	9.05	
	2.5 + 4.0 + 6.0	1.60	2.56	3.84		8.00 (3.0 - 9.0)			1.88	3.01	4.51		9.40 (3.2 - 10.6)		
	2.5 + 5.0 + 5.0	1.60	3.20	3.20		8.00 (3.0 - 9.0)	10.30		1.88	3.76	3.76		9.40 (3.2 - 10.6)	9.40	
	2.5 + 5.0 + 6.0 2.8 + 2.8 + 2.8	1.48 2.66	2.96 2.67	3.56 2.67		8.00 (3.0 - 9.0) 8.00 (3.0 - 8.6)	10.80		1.74 3.13	3.48 3.13	4.18 3.14		9.40 (3.2 - 10.6) 9.40 (3.2 - 10.4)	9.55	
	2.8 + 2.8 + 3.2	2.55	2.55	2.90		8.00 (3.0 - 8.6)	11.00		2.99	2.99	3.42		9.40 (3.2 - 10.5)	9.65	
	2.8 + 2.8 + 4.0	2.33	2.33	3.34		8.00 (3.0 - 8.6)	11.00		2.74	2.74	3.92		9.40 (3.2 - 10.5)	9.40	
	2.8 + 2.8 + 5.0 2.8 + 2.8 + 6.0	2.11 1.93	2.11 1.93	3.78 4.14		8.00 (3.0 - 8.8) 8.00 (3.0 - 8.8)	10.80		2.48	2.48 2.27	4.44 4.86		9.40 (3.2 - 10.5) 9.40 (3.2 - 10.6)	9.20	
	2.8 + 3.2 + 3.2	2.44	2.78	2.78		8.00 (3.0 - 8.6)	10.40		2.86	3.27	3.27		9.40 (3.2 - 10.5)	9.55	
	2.8 + 3.2 + 4.0	2.24	2.56	3.20		8.00 (3.0 - 8.8)	10.40		2.63	3.01	3.76		9.40 (3.2 - 10.5)	9.40	
	2.8 + 3.2 + 5.0 2.8 + 3.2 + 6.0	2.03	2.33 2.13	3.64 4.00		8.00 (3.0 - 8.8) 8.00 (3.0 - 9.0)	10.30		2.39 2.19	2.73 2.51	4.28 4.70		9.40 (3.2 - 10.5) 9.40 (3.2 - 10.6)	9.50	
	2.8 + 4.0 + 4.0	2.08	2.96	2.96		8.00 (3.0 - 8.8)	10.40		2.44	3.48	3.48		9.40 (3.2 - 10.5)	9.05	
	2.8 + 4.0 + 5.0	1.90	2.71	3.39		8.00 (3.0 - 9.0)	10.30		2.23	3.19	3.98		9.40 (3.2 - 10.6)	9.20	
	2.8 + 4.0 + 6.0 2.8 + 5.0 + 5.0	1.75	2.50 3.13	3.75 3.13		8.00 (3.0 - 9.0)	10.30		2.05	2.94 3.67	4.41 3.67		9.40 (3.2 - 10.6) 9.40 (3.2 - 10.6)	9.40	
	2.8 + 5.0 + 5.0 3.2 + 3.2 + 3.2	2.66	2.66	2.66		8.00 (3.0 - 9.0) 7.98 (3.0 - 8.6)	10.30		3.13	3.67	3.67	 	9.40 (3.2 - 10.6)	9.40	
	3.2 + 3.2 + 4.0	2.46	2.46	3.08		8.00 (3.0 - 8.8)	10.50		2.89	2.89	3.62		9.40 (3.2 - 10.5)	9.40	
	3.2 + 3.2 + 5.0	2.25	2.25	3.50		8.00 (3.0 - 8.8)	10.50		2.64	2.64	4.12		9.40 (3.2 - 10.6)	9.40	
	3.2 + 3.2 + 6.0 3.2 + 4.0 + 4.0	2.06	2.06	3.88 2.86		8.00 (3.0 - 9.0) 8.00 (3.0 - 8.8)	10.50		2.43	2.43 3.36	4.54 3.36		9.40 (3.2 - 10.6) 9.40 (3.2 - 10.6)	9.30	
	3.2 + 4.0 + 5.0	2.10	2.62	3.28		8.00 (3.0 - 9.0)	10.30		2.47	3.08	3.85		9.40 (3.2 - 10.6)	9.20	
	3.2 + 4.0 + 6.0	1.94	2.42	3.64	<u>-</u>	8.00 (3.0 - 9.0)			2.28	2.85	4.27		9.40 (3.2 - 10.6)		
	3.2 + 5.0 + 5.0 4.0 + 4.0 + 4.0	1.94	3.03 2.66	3.03		8.00 (3.0 - 9.0)	10.30		2.28	3.56	3.56		9.40 (3.2 - 10.6) 9.39 (3.2 - 10.6)	9.05	
	= 4.0 + 4.0 + 4.0	2.66 2.46	2.66	2.66 3.08	ļ <u>.</u>	7.98 (3.0 - 9.0) 8.00 (3.0 - 9.0)	10.50		3.13 2.89	3.13 2.89	3.13 3.62		9.40 (3.2 - 10.6)	9.20	

CU-4E27PBE

				Cooling Co		OOLING OPERATION				Heating C		ING OPERATION	Dunnin	
Indoor Units Capacity	Room	A Room	B	Room C	Room D	Total		Room A	Room B	Room C	Room D	Total		
	kW	kW	\rightarrow	kW	kW	kW		kW	kW	kW	kW	kW		
2.0 + 2.0 + 2.0 + 2		2.00		2.00	2.00	8.00 (3.0 - 9.2)		2.35	2.35	2.35	2.35	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.0 + 2		1.88		1.88	2.36	8.00 (3.0 - 9.2)		2.21	2.21	2.21	2.77	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.0 + 2		1.82	2	1.82	2.54	8.00 (3.0 - 9.2)		2.14	2.14	2.14	2.98	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.0 + 3.	1.74	1.74	1	1.74	2.78	8.00 (3.0 - 9.2)		2.04	2.04	2.04	3.28	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.0 + 4	0 1.60	1.60)	1.60	3.20	8.00 (3.0 - 9.2)		1.88	1.88	1.88	3.76	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.0 + 5	0 1.45	1.45	5	1.45	3.65	8.00 (3.0 - 9.2)		1.71	1.71	1.71	4.27	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.0 + 6.	0 1.33	1.33	3	1.33	4.01	8.00 (3.0 - 9.2)		1.57	1.57	1.57	4.69	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.5 + 2	5 1.78	1.78	3 [2.22	2.22	8.00 (3.0 - 9.2)		2.09	2.09	2.61	2.61	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.5 + 2	8 1.72	1.72	2	2.15	2.41	8.00 (3.0 - 9.2)		2.02	2.02	2.53	2.83	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.5 + 3	2 1.65	1.65	5	2.06	2.64	8.00 (3.0 - 9.2)		1.94	1.94	2.42	3.10	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.5 + 4		1.52		1.90	3.06	8.00 (3.0 - 9.2)		1.79	1.79	2.24	3.58	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.5 + 5		1.39		1.74	3.48	8.00 (3.0 - 9.2)		1.63	1.63	2.04	4.10	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.5 + 6		1.28		1.60	3.84	8.00 (3.0 - 9.2)		1.50	1.50	1.88	4.52	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.8 + 2		1.67		2.33	2.33	8.00 (3.0 - 9.2)		1.96	1.96	2.74	2.74	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.8 + 3		1.60		2.24	2.56	8.00 (3.0 - 9.2)		1.88	1.88	2.63	3.01	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.8 + 4		1.48		2.07	2.97	8.00 (3.0 - 9.2)		1.74	1.74	2.44	3.48	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.8 + 5.		1.36		1.89	3.39	8.00 (3.0 - 9.2)		1.59	1.59	2.23	3.99	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 2.8 + 6		1.25		1.75	3.75	8.00 (3.0 - 9.2)		1.47	1.47	2.05	4.41	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 3.2 + 3.		1.54		2.46	2.46	8.00 (3.0 - 9.2)		1.81	1.81	2.89	2.89	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 3.2 + 4		1.43		2.28	2.86	8.00 (3.0 - 9.2)		1.68	1.68	2.68	3.36	9.40 (4.2 - 10.6) 9.40 (4.2 - 10.6)		
2.0 + 2.0 + 3.2 + 5.		1.31		2.10 1.94	3.28	8.00 (3.0 - 9.2) 8.00 (3.0 - 9.2)		1.54 1.42	1.54	2.47	3.85	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 3.2 + 6. 2.0 + 2.0 + 4.0 + 4.		1.33		2.67	2.67	8.00 (3.0 - 9.2)		1.57	1.57	3.13	4.28 3.13	9.40 (4.2 - 10.6)		
2.0 + 2.0 + 4.0 + 4.		1.23		2.46	3.08	8.00 (3.0 - 9.2)		1.45	1.45	2.88	3.13	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 2.5 + 2		2.11		2.11	2.11	8.00 (3.0 - 9.2)		1.99	2.47	2.47	2.47	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 2.5 + 2		2.04		2.04	2.29	8.00 (3.0 - 9.2)		1.91	2.40	2.40	2.69	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 2.5 + 2		1.96		1.96	2.51	8.00 (3.0 - 9.2)		1.84	2.30	2.30	2.96	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 2.5 + 4		1.82		1.82	2.91	8.00 (3.0 - 9.2)		1.70	2.14	2.14	3.42	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 2.5 + 5		1.67		1.67	3.33	8.00 (3.0 - 9.2)		1.56	1.96	1.96	3.92	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 2.5 + 6		1.54		1.54	3.69	8.00 (3.0 - 9.2)		1.44	1.81	1.81	4.34	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 2.8 + 2		1.98		2.22	2.22	8.00 (3.0 - 9.2)		1.85	2.33	2.61	2.61	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 2.8 + 3		1.90		2.13	2.45	8.00 (3.0 - 9.2)		1.79	2.24	2.51	2.86	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 2.8 + 4		1.77		1.98	2.83	8.00 (3.0 - 9.2)		1.66	2.08	2.33	3.33	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 2.8 + 5.		1.63		1.82	3.25	8.00 (3.0 - 9.2)		1.53	1.91	2.14	3.82	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 2.8 + 6		1.50		1.68	3.62	8.00 (3.0 - 9.2)		1.41	1.77	1.98	4.24	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 3.2 + 3.		1.83		2.35	2.35	8.00 (3.0 - 9.2)		1.72	2.16	2.76	2.76	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 3.2 + 4		1.71		2.19	2.74	8.00 (3.0 - 9.2)		1.61	2.01	2.57	3.21	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 3.2 + 5		1.57		2.02	3.15	8.00 (3.0 - 9.2)		1.48	1.85	2.37	3.70	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 4.0 + 4		1.60		2.56	2.56	8.00 (3.0 - 9.2)		1.50	1.88	3.01	3.01	9.40 (4.2 - 10.6)		
2.0 + 2.5 + 4.0 + 5		1.48		2.37	2.96	8.00 (3.0 - 9.2)		1.39	1.74	2.79	3.48	9.40 (4.2 - 10.6)		
2.0 + 2.8 + 2.8 + 2		2.15		2.15	2.15	8.00 (3.0 - 9.2)		1.81	2.53	2.53	2.53	9.40 (4.2 - 10.6)		
2.0 + 2.8 + 2.8 + 3		2.07		2.07	2.38	8.00 (3.0 - 9.2)		1.73	2.44	2.44	2.79	9.40 (4.2 - 10.6)		
2.0 + 2.8 + 2.8 + 4		1.93		1.93	2.76	8.00 (3.0 - 9.2)		1.62	2.27	2.27	3.24	9.40 (4.2 - 10.6)		
2.0 + 2.8 + 2.8 + 5		1.78		1.78	3.17	8.00 (3.0 - 9.2)		1.49	2.09	2.09	3.73	9.40 (4.2 - 10.6)		
ms 2.0 + 2.8 + 2.8 + 6.		1.65		1.65	3.53	8.00 (3.0 - 9.2)		1.37	1.94	1.94	4.15	9.40 (4.2 - 10.6)		
2.0 + 2.8 + 3.2 + 3.		2.00		2.29	2.29	8.00 (3.0 - 9.2)		1.67	2.35	2.69	2.69	9.40 (4.2 - 10.6)		
2.0 + 2.8 + 3.2 + 4		1.87		2.13	2.67	8.00 (3.0 - 9.2)		1.57	2.19	2.51	3.13	9.40 (4.2 - 10.6)		
2.0 + 2.8 + 3.2 + 5.		1.72		1.97	3.08	8.00 (3.0 - 9.2)		1.45	2.02	2.31	3.62	9.40 (4.2 - 10.6)		
2.0 + 2.8 + 4.0 + 4.		1.75		2.50	2.50	8.00 (3.0 - 9.2)		1.46	2.06	2.94	2.94	9.40 (4.2 - 10.6)		
2.0 + 3.2 + 3.2 + 3.		2.21		2.21	2.21	8.00 (3.0 - 9.2)		1.63	2.59	2.59	2.59	9.40 (4.2 - 10.6)		
2.0 + 3.2 + 3.2 + 4		2.06		2.06	2.59	8.00 (3.0 - 9.2)		1.51	2.43	2.43	3.03	9.40 (4.2 - 10.6)		
2.0 + 3.2 + 3.2 + 5. 2.0 + 3.2 + 4.0 + 4.		1.9		1.91 2.42	2.99	8.00 (3.0 - 9.2) 8.00 (3.0 - 9.2)		1.40 1.42	2.24	2.24	3.52 2.85	9.40 (4.2 - 10.6) 9.40 (4.2 - 10.6)		
2.5 + 2.5 + 2.5 + 2		2.00		2.00	2.42	8.00 (3.0 - 9.2)		2.35	2.35	2.35	2.35	9.40 (4.2 - 10.6)		
2.5 + 2.5 + 2.5 + 2		1.94		1.94	2.00	8.00 (3.0 - 9.2)		2.28	2.28	2.28	2.56	9.40 (4.2 - 10.6)		
2.5 + 2.5 + 2.5 + 3		1.87		1.87	2.18	8.00 (3.0 - 9.2)		2.28	2.28	2.20	2.80	9.40 (4.2 - 10.6)		
2.5 + 2.5 + 2.5 + 3		1.74		1.74	2.78	8.00 (3.0 - 9.2)		2.04	2.04	2.04	3.28	9.40 (4.2 - 10.6)		
2.5 + 2.5 + 2.5 + 5		1.60		1.60	3.20	8.00 (3.0 - 9.2)		1.88	1.88	1.88	3.76	9.40 (4.2 - 10.6)		
2.5 + 2.5 + 2.5 + 6		1.48		1.48	3.56	8.00 (3.0 - 9.2)		1.74	1.74	1.74	4.18	9.40 (4.2 - 10.6)		
2.5 + 2.5 + 2.8 + 2		1.89		2.11	2.11	8.00 (3.0 - 9.2)		2.22	2.22	2.48	2.48	9.40 (4.2 - 10.6)		
2.5 + 2.5 + 2.8 + 3		1.82		2.03	2.33	8.00 (3.0 - 9.2)		2.14	2.14	2.39	2.73	9.40 (4.2 - 10.6)		
2.5 + 2.5 + 2.8 + 4		1.69		1.90	2.72	8.00 (3.0 - 9.2)		1.99	1.99	2.23	3.19	9.40 (4.2 - 10.6)		
2.5 + 2.5 + 2.8 + 5.	0 1.56	1.56		1.75	3.13	8.00 (3.0 - 9.2)		1.84	1.84	2.05	3.67	9.40 (4.2 - 10.6)		
2.5 + 2.5 + 3.2 + 3.		1.75		2.25	2.25	8.00 (3.0 - 9.2)		2.06	2.06	2.64	2.64	9.40 (4.2 - 10.6)		
2.5 + 2.5 + 3.2 + 4		1.64		2.10	2.62	8.00 (3.0 - 9.2)		1.93	1.93	2.46	3.08	9.40 (4.2 - 10.6)		
2.5 + 2.5 + 3.2 + 5	0 1.52	1.52	2	1.93	3.03	8.00 (3.0 - 9.2)		1.78	1.78	2.28	3.56	9.40 (4.2 - 10.6)		
2.5 + 2.5 + 4.0 + 4	0 1.54	1.54		2.46	2.46	8.00 (3.0 - 9.2)		1.81	1.81	2.89	2.89	9.40 (4.2 - 10.6)		
2.5 + 2.8 + 2.8 + 2	8 1.82	2.06		2.06	2.06	8.00 (3.0 - 9.2)		2.17	2.41	2.41	2.41	9.40 (4.2 - 10.6)		
2.5 + 2.8 + 2.8 + 3	2 1.77	1.98		1.98	2.27	8.00 (3.0 - 9.2)		2.08	2.33	2.33	2.66	9.40 (4.2 - 10.6)		
2.5 + 2.8 + 2.8 + 4		1.85		1.85	2.65	8.00 (3.0 - 9.2)		1.93	2.18	2.18	3.11	9.40 (4.2 - 10.6)		
2.5 + 2.8 + 2.8 + 5		1.71		1.71	3.05	8.00 (3.0 - 9.2)		1.79	2.01	2.01	3.59	9.40 (4.2 - 10.6)		
2.5 + 2.8 + 3.2 + 3.		1.91		2.19	2.19	8.00 (3.0 - 9.2)		2.01	2.25	2.57	2.57	9.40 (4.2 - 10.6)		
2.5 + 2.8 + 3.2 + 4		1.79		2.05	2.56	8.00 (3.0 - 9.2)		1.87	2.11	2.41	3.01	9.40 (4.2 - 10.6)		
2.5 + 2.8 + 3.2 + 5		1.66		1.90	2.96	8.00 (3.0 - 9.2)		1.74	1.95	2.23	3.48	9.40 (4.2 - 10.6)		
2.5 + 2.8 + 4.0 + 4		1.68		2.41	2.41	8.00 (3.0 - 9.2)		1.76	1.98	2.83	2.83	9.40 (4.2 - 10.6)		
2.5 + 3.2 + 3.2 + 3		2.12		2.12	2.12	8.00 (3.0 - 9.2)		1.93	2.49	2.49	2.49	9.40 (4.2 - 10.6)		
2.5 + 3.2 + 3.2 + 4		1.98		1.98	2.49	8.00 (3.0 - 9.2)		1.82	2.33	2.33	2.92	9.40 (4.2 - 10.6)		
2.8 + 2.8 + 2.8 + 2		2.00		2.00	2.00	8.00 (3.0 - 9.2)		2.35	2.35	2.35	2.35	9.40 (4.2 - 10.6)		
2.8 + 2.8 + 2.8 + 3		1.93		1.93	2.21	8.00 (3.0 - 9.2)		2.27	2.27	2.27	2.59	9.40 (4.2 - 10.6)		
2.8 + 2.8 + 2.8 + 4		1.81		1.81	2.57	8.00 (3.0 - 9.2)		2.12	2.12	2.12	3.04	9.40 (4.2 - 10.6)		
2.8 + 2.8 + 2.8 + 5		1.67		1.67	2.99	8.00 (3.0 - 9.2)		1.96	1.96	1.96	3.52	9.40 (4.2 - 10.6)		
2.8 + 2.8 + 3.2 + 3		1.87		2.13	2.13	8.00 (3.0 - 9.2)		2.19	2.19	2.51	2.51	9.40 (4.2 - 10.6)		
2.8 + 2.8 + 3.2 + 4		1.75		2.00	2.50	8.00 (3.0 - 9.2)		2.06	2.06	2.34	2.94	9.40 (4.2 - 10.6)		
2.8 + 2.8 + 4.0 + 4		1.65		2.35	2.35	8.00 (3.0 - 9.2)		1.94	1.94	2.76	2.76	9.40 (4.2 - 10.6)		
2.8 + 3.2 + 3.2 + 3		2.06		2.06	2.06	8.00 (3.0 - 9.2)		2.11	2.43	2.43	2.43	9.40 (4.2 - 10.6)		
2.8 + 3.2 + 3.2 + 4		1.94		1.94	2.42	8.00 (3.0 - 9.2)		1.99	2.28	2.28	2.85	9.40 (4.2 - 10.6)		
3.2 + 3.2 + 3.2 + 3.	2 2.00	2.00		2.00	2.00	8.00 (3.0 - 9.2)		2.35	2.35	2.35	2.35	9.40 (4.2 - 10.6)		
22.22.22.4	n 100	1 00		1 00	2.26	9 00 (2 0 0 2)								

A.E.C. : Annual Energy Consumption

32+32+32+32 | 2.00 | 2.00 | 2.00 | 2.00 | 8.00 (3.0-9.2) | 8.80 | 2000 (530-2850) | 1000 | 2.35 | 2.35 | 2.35 | 2.35 | 9.40 (4.2-10.6) | 9.30 | 3.2+3.2+3.2+4.0 | 1.88 | 1.88 | 1.88 | 2.36 | 8.00 (3.0-9.2) | 8.70 | 1980 (530-2870) | 990 | 2.21 | 2.21 | 2.21 | 2.21 | 2.77 | 9.40 (4.2-10.6) | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10 | 9.10

FEATURES COMPARISON

*1 Operating temperature limit is -15°C with performance data guaranteed down to -10°C

Spl	it Type	е		Delu	uxe	Floor Console	Delu	nxe	Floor Console	Floor or Ceiling	Cassette (4-way)	Hide-Away
				S	Single Inverter Spli	it			Multi Inve	erter Split		
				CS-E7PKR CS-E9PKR CS-E12PKR CS-E15PKR	CS-E18PKR CS-E21PKR CS-E24PKR CS-E28PKR	CS-E9GFEW CS-E12GFEW CS-E18GFEW	CS-E7NKEW CS-E9NKEW CS-E12NKEW CS-E15NKEW	CS-E18NKEW CS-E21NKEW	CS-E9GFEW CS-E12GFEW CS-E18GFEW	CS-E15DTEW CS-E18DTEW	CS-E10KB4EA CS-E15HB4EA CS-E18HB4EA CS-E21JB4EA	CS-E10KD3EA CS-E15JD3EA CS-E18JD3EA
	€ nanoei-s	nanoe-g				Fx3	•	•	F			
Air	ۥ nanoe-s	nanoe-g NEW		•	•							
	^	Anti-Bacterial Filte	er							(Optional)	(Optional)	
Cleaner		Odour-Removing	Function	•	•	•	•	•	•	•	•	•
		Removable, Wash	able Panel	•	•	•	•	•	•		•	
	ECONAVI	ECONAVI		•	•		•	•				
	_°C	Temperature Wav	e	•	•							
	AUTOCOMFORT	AUTOCOMFORT		•	•		•	•				
	~	Inverter Control		•	•	•	•	•	•	•	•	•
	MILD Ô _Ô 黎	Mild Dry Cooling		•	•							
	(mode	Quiet Mode	Indoor	•	•	•	•	•	•	•	•	•
	(P ₂	Powerful Mode	Outdoor	• (E15)	•	•	•	•	•	•	•	
t	HEATING		. 15	-15°C ~ 24°C	-15°C ~ 24°C	-15°C ~ 24°C	-15°C ~ 24°C (2E18)*1	-20°C ~ 24°C (4E23)*2	-15°C ~ 24°C (2E18)*¹	-20°C ~ 24°C (4E23)*2	-15°C ~ 24°C (2E18)*1	-15°C ~ 24°C (2E18)
Comfort	POSSIBLE	Heating Operation	n Limit	(Possible)	(Possible)	(Possible)	-20°C ~ 24°C (4E23)*2 -20°C ~ 24°C (4E27)*2	-20°C ~ 24°C (4E27)*2	-20°C ~ 24°C (4E23)*2 -20°C ~ 24°C (4E27)*2	-20°C ~ 24°C (4E27)*2	-20°C ~ 24°C (4E23)*2 -20°C ~ 24°C (4E27)*2	-20°C ~ 24°C (4E23)' -20°C ~ 24°C (4E27)'
ŏ	COOLING	Cooling Operation	n Limit	5°C ~ 46°C (Possible)	5°C ~ 46°C (Possible)	16°C ~ 43°C (Possible)	16°C ~ 43°C (2E18) -10°C ~ 46°C (4E23) -10°C ~ 46°C (4E27)	-10°C ~ 46°C (4E23) -10°C ~ 46°C (4E27)	16°C ~ 43°C (2E18) -10°C ~ 46°C (4E23) -10°C ~ 46°C (4E27)	-10°C ~ 46°C (4E23) -10°C ~ 46°C (4E27)	16°C ~ 43°C (2E18) -10°C ~ 46°C (4E23) -10°C ~ 46°C (4E27)	16°C ~ 43°C (2E18) -10°C ~ 46°C (4E23) -10°C ~ 46°C (4E27)
		Soft Dry Operation	n Mode	•	•	•	•	•	•	•	•	•
	FAN MODE	Fan Mode		•	•		•	•				
		Personal Airflow C	Creation	•	•		•	•				
		Airflow Direction (Up & Down)	Control			•			•	•	•	
		Manual Horizonta Direction Control	l Airflow			•			•	•		
	******	Auto Changeover	(Inverter)	•	•	•	•	•	•	•	•	•
	Öm →	Hot Start Control		•	•	•	•	•	•	•	•	•
	(1) 24 DUAL	24-Hour Dual ON Setting Timer	OFF Real	•	•		•	•				
	 24	24-Hour ON / OFF Setting Timer	Real			•			•	•	•	•
ience	DEMAND CONTROL	Demand Control		•	•							
Convenience	3RD PARTY CONNECTIVITY	3rd Party Connect	-	•	•							
Ö		LCD Wireless Rem Controller	ote	(Large)	(Large)	•	•	•	•	•	•	
		Wireless Backlight		(Optional)	(Optional)		(Optional)	(Optional)			(Optional)	•
	BACKLIGHT (Wireless Backlight Controller	. Kernote	(Optional)	(Optional)							
		Blue Fin Condense		•	•							
Æ	(Random)	Random Auto Res (32 Restart Pattern	ns)	•	•	•	20m/20m*3/2519\	•	20m/2013/2544	•	20m/0013/2544	20m/20-12/254
Reliability		Long Piping		15m(E7/E9/E12) 20m(E15)	20m(E18/E21) 30m(E24/E28)	15m(E9/E12) 20m(E18)	30m/20m* ³ (2E18) 60m/25m* ³ (4E23) 70m/25m* ³ (4E27)	60m/25m* ³ (4E23) 70m/25m* ³ (4E27)	30m/20m ^{*3} (2E18) 60m/25m ^{*3} (4E23) 70m/25m ^{*3} (4E27)	60m/25m* ³ (4E23) 70m/25m* ³ (4E27)	30m/20m ^{*3} (2E18) 60m/25m ^{*3} (4E23) 70m/25m ^{*3} (4E27)	30m/20m ^{*3} (2E18) 60m/25m ^{*3} (4E23) 70m/25m ^{*3} (4E27)
Reli		Plug Type & Ampe	ere Capacity	Outdoor Power Supply	Outdoor Power Supply	Outdoor Power Supply	Outdoor Power Supply	Outdoor Power Supply	Outdoor Power Supply	Outdoor Power Supply	Outdoor Power Supply	Outdoor Power Supply
	* <u></u>	Top-Panel Mainter Access	nance	•	•	•	•	•	•	•	•	•
		Self-Diagnostic Fu	nction		•		•	•		•	•	•

*2 Operating temperature limit is -20°C with performance data guaranteed down to -15°C

Cleaner Air

nanoe-g

nanoe-g works effectively on airborne and adhesive micro-organisms such as bacteria, viruses and mould ensuring a cleaner living

» see page 14-17/ 44-45

MEW nanoe-G

nanoe-g works effectively on airborne, adhesive and in-filter micro-organisms such as bacteria. viruses and mould ensuring a cleaner living

» see page 14-17/ 42-45

Anti-Bacterial Filter

The Anti-Bacterial Filter combines three effects in one: anti-allergen, anti-virus and anti-bacterial protection to provide clean air.



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.



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.



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Comfort

ECONAVI

ECONAVI features an energy-saving, intelligent Human Activity Sensor and new Sunlight Sensor technologies that can detect and reduce waste by optimising air conditioner operation according

» see page 4-7/ 34-38/ 40-41

Temperature Wave

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

» see page 6-7/ 34-35

AUTOCOMFORT

Autocomfort mode detects high activity levels and switches to comfort operation for maximum comfort.

» see page 39

Inverter Control

An inverter air conditioner provides optim 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.

» see page 8-13

Mild Dry Cooling

ECONAVI

Fine control helps prevent a rapid decrease in room humidity while maintaning the set temperature.

(Maintains an RH* up to 10% higher than cooling operation, *RH: Relative Humidity) Ideal when sleeping with the air conditioner on.

» see page 13

Ouiet Mode

The Quiet Mode reduces both indoor and outdoor unit operating sound. This function is especially convenient for operation near a

» see page 12

Hot Start Control

On the start of heating cycle and after defrost

distributing air throughout the room. You can

Soft Dry Operation Mode

sleeping baby and at night-time.

cycle, the indoor fan will start up once the indoor heat exchanger is warm.

Airflow Direction Control (Up & Down)

The flap swings up and down automatically,

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

also adjust the airflow angle by remote control.

unexpected guests arrive.

MILD O₀‡

mode mode

Starts with cooling to dehumidify, then provides continuous breeze at a low frequency to keep a room dry without much change to the

Personal Airflow Creation

temperature.

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

Auto Changeover (Inverter)

Change automatically from cooling to heating in function of the temperature of the room.

Heating Operation Limit Providing outstanding cold climate performance,

Panasonic air conditioners let you enjoy stable heating even when the outside temperature is below freezing. Add to this exceptional durability and reliability and you're looking at worry-free operation for comfort during the harsh winter.

Cooling Operation Limit

Cooling is possible even when the outside temperature is extremely hot. Highly durable compressor and fan motor helps to maintain room comfort even under the hottest conditions.

Manual Horizontal Airflow Direction Control

Fan Mode



Convenience

24-Hour ON & OFF **Real Setting Timer**

The start or stop operation time (hour and minute) can be set at one time Or both of the times for start and stop operation can be set.

(1)24

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

LCD Wireless Remote Controller



Demand Control

3rd Party Connectivity



Wired Remote Controller Mu. Co



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Wireless Backlight Remote Controller

Reliability

Blue Fin Condenser

Condensers can take a beating from exposure to salty air, rain and other corrosive factors. Panasonic has expend the life of our $\overset{\cdot}{\text{condensers}}$ with an original anti-rust coating. » see page 19

Random Auto Restart

*3 Total room / One room

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 recoverytiming 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



The basic piping can be extended, allowing the outdoor unit to be installed further 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 guicker and easier.



Self-Diagnostic Function

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









Panasonic Air Conditioners with intelligent eco sensors discover where energy is wasted. It automatically adjusts cooling operation to reduce waste.

• MINIM ECONAl using rhy

ECONAVI reduces the waste: using rhythmic temperature shifts.

Area Search of cooling the unoccupied area of the room.
 Activity Detection of cooling with unnecessary power.

• Absence Detection of cooling an empty room.

• **Sunlight Detection** of cooling under less sunlight conditions.

INTELLIGENT ECO SENSORS

ECONAVI

Up to 38%* energy savings

*see page 6

MEW Temperature Wave

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

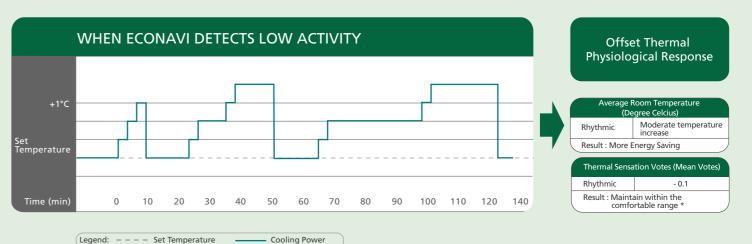
This new approach was developed based on an understanding in Thermal Physiology; human body adapts physiologically to changes in temperature.

When set temperature was increased and held at constant, human body displayed periodical physiological response in approximate 60-minute cycles.

Taking advantage of this understanding in Thermal Physiology, Panasonic Research and Development Centre developed Rhythmic Temperature Control pattern which would offset thermal physiological response.

HOW DOES TEMPERATURE WAVE WORKS?

Remark: Set temperature on remote control display remains unchanged



The result of the experiment showed that thermal sensation was maintained within the comfortable range* even though average set temperature was moderately increased.

Hence, when ECONAVI detects human presence and low activity level, Temperature Wave adapts to this rhythmic temperature control to realise further energy saving without sacrificing comfort.

Remark:

* The thermal condition of which
PMV (Predicted Mean Vote) is
within -0.5 to +0.5 is recommended
as comfortable condition (in the
category B) by International
Standard EN ISO 7730.

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Based on cooperative research with Nara Women's University, Rhythmic Temperature Control enables reduction in cooling power whilst maintain thermal sensation within the comfortable range*.

emark:

Temperature Wave is only applicable to Deluxe E-Series.

Temperature Wave works either in ECONAVI or Autocomfort mode during low activity.

INTELLIGENT ECO SENSORS

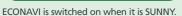


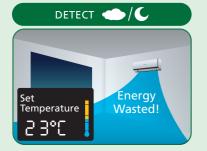
SUNLIGHT SENSOR

SUNLIGHT DETECTION (COOLING)

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.







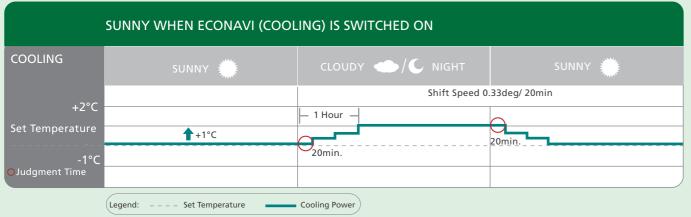
ECONAVI detects less cooling power is required.



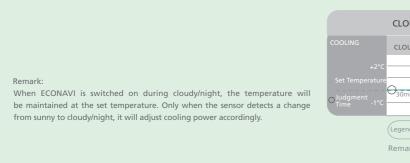
Set temperature remain unchanged. ECONAVI reduces cooling power by an amount equivalent to increasing the set temperature by 1 degree Celsius.

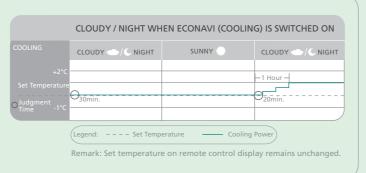
When weather changes from sunny to cloudy/night, ECONAVI detects less sunlight intensity and determines less cooling power is required. If cooling power remains the same, energy will be wasted. ECONAVI detects this waste and reduces cooling power by an amount equivalent to increasing the set temperature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

HOW DOES ECONAVI SUNLIGHT (COOLING) SENSOR WORKS?



Remark: Set temperature on remote control display remains unchanged.





SUNLIGHT DETECTION (HEATING)

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



ECONAVI is switched on when it is CLOUDY/NIGHT. ECONAVI detects less heating power is required.

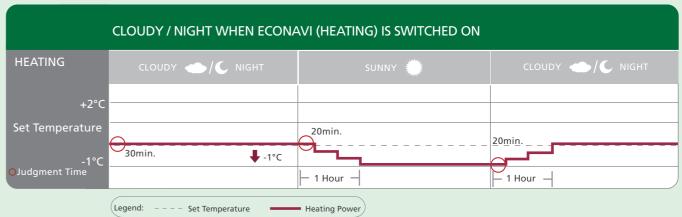


Set temperature remain unchanged. ECONAVI reduces heating power by an amount equivalent to decreasing the set temperature by 1 degree Celsius.

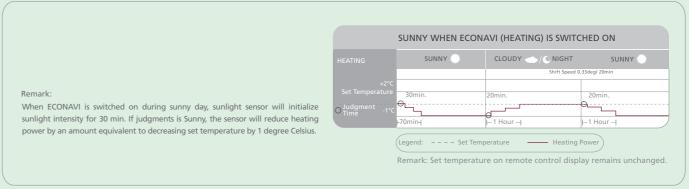
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When weather changes from cloudy/night to sunny, ECONAVI detects more sunlight intensity and determines less heating power is required. If heating power remains the same, energy will be wasted. ECONAVI detects this waste and reduces heating power by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

HOW DOES ECONAVI SUNLIGHT (HEATING) SENSOR WORKS?



Remark: Set temperature on remote control display remains unchanged.



* Heating operation applicable for Deluxe E-Series only.

INTELLIGENT ECO SENSORS



AUTOCOMFORT

DETECT

Only one person in the room.

Detects wasted cooling area.



area of the room

Area Search

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

AUTOCOMFORT PROVIDES COMFORT

AUTOCOMFORT is used to provide comfort. High Activity Detection detects when the level of activity increases, and automatically increases cooling power by an amount equivalent to decreasing the set temperature by 1 degree Celsius to improve comfort. This is explained in the following scenario:







Increases cooling power by an amount equivalent to decreasing the set temperature by 1 degree

High Activity Detection

ECONAVI High Activity Detection can detect changes in activity levels to adjust cooling power to improve comfort.

DETECT

REDUCE WASTE

Reduces cooling the unoccupied



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

Activity Detection

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

DETECT Bu &



REDUCE WASTE

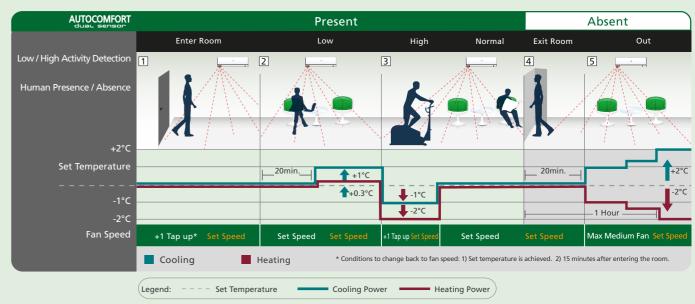


Gradually reduces cooling power by an amount equivalent to increasing the set temperature by 2 degrees Celsius.

Absence Detection

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

HOW DOES AUTOCOMFORT HIGH ACTIVITY DETECTION WORKS?



Remark: Set temperature on remote control display remains unchanged

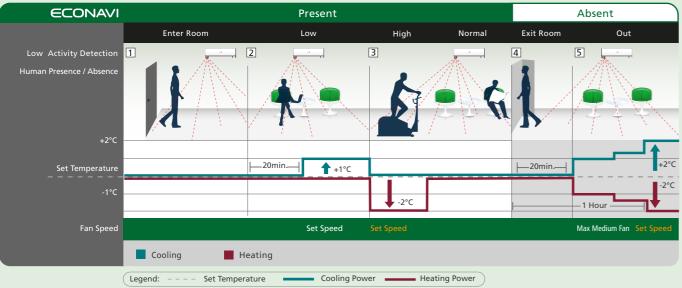
Remark:

AUTOCOMFORT consumes more energy during high activity level.

Tips on how to select ECONAVI or AUTOCOMFORT:

- ECONAVI To enjoy energy savings exclusively.
- AUTOCOMFORT To enjoy comfort or energy savings depending on situations.

HOW DOES ECONAVI dual sensor HUMAN ACTIVITY WORKS?



Remark: Set temperature on remote control display remains unchanged

INTELLIGENT ECO SENSORS



HUMAN ACTIVITY SENSOR

High-Precision Sensing

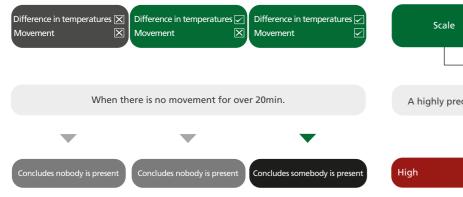
All objects emit infrared rays which, although invisible, can be detected as heat by ECONAVI's Human Activity Sensor if it is within the detection zone. When an object moves within its detection zone, ECONAVI compares the object's temperature with the room temperature to determine if it is human, and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



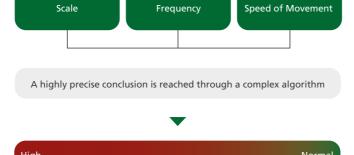




Detecting Human Presence



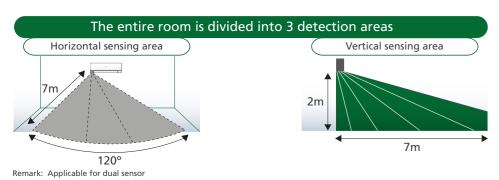




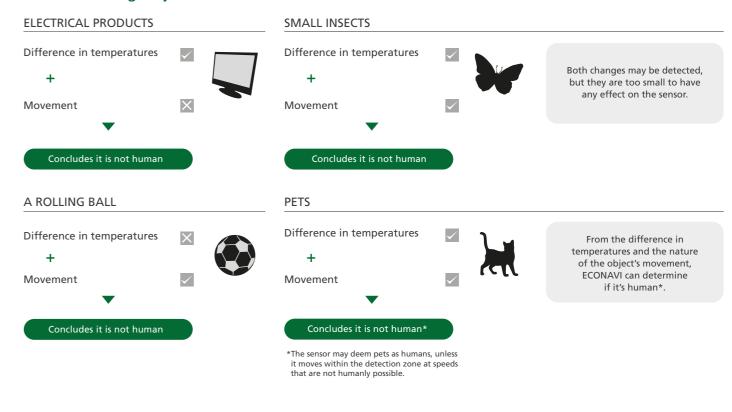
Concludes Level of Activity High or Normal

Coverage Capabilities

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

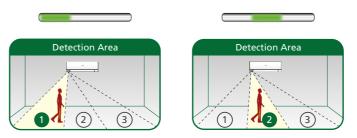


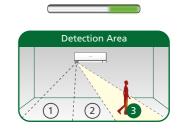
Differentiating Objects

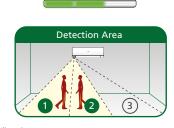


Sensor Detection Principle

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

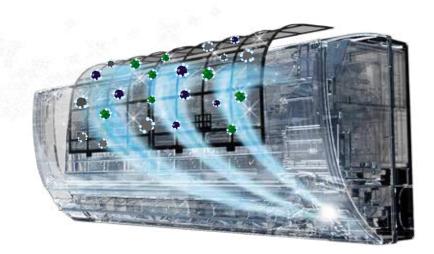






Remark: When detecting any change in movements, there will be a time delay between the LED indicator lighting up and a change of airflow direction. This is to avoid over-sensitive louver movements which will not contribute to energy savings.





HOW DOES WEW IN-FILTER DEACTIVATION WORK?

1. Power "Off"	2. Fan Operation	3. nanoe-g Operation	4. Deactivation Effect
The air-conditioner first has to be turned off.	The fan operation will run automatically for 30 minutes with the louver slightly open to ensure the internal components are dry and free from condensation.	Natural lon Wind spreads nanoe-G particles that are released from the nanoe-G generator.	nanoe-G deactivates bacteria and viruses that are trapped in the filter within 2 hours.
Remark: Main power must be switched on for the entire duration.	Remark: The 30-minute fan operation is NOT applicable to heating models.		
	Fan Operation : On	Fan Opera	ation : Off
	Louver : Low Louver Angle	Louver : C	closed
	nanoe-G LED : On	nanoe-G l	.ED : On

Remark:

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

THE EFFECTIVENESS OF nanoe-G

IN-FILTER DEACTIVATION

	Target Substance	Substance Name	Effectiveness	Testing Institute	Test Report no	Method	Result
ATION	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.
IN-FILTER DEACTIVATION	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.
_	viius	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-6 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.

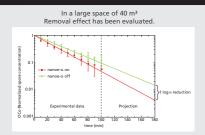
DEACTIVATION	Deactivates 9%*3 BACTERIA and VIRUSES	*3 In-Filter Deactivation was certified by Japan Food Research Laboratories • Test Report number : 12037932001 Bacteria : Staphylococcus aureus (NBRC 12732) • Test Report number : 12014705001 Virus : Escherichia coli phage (qX-174 ATCC 13706-B1) All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.			
IN-FILTER D	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.			

• nanoe-g

THE EFFECTIVENESS OF nanoe-G

AIRBORNE

Data on removal of airborne bacteria was presented by HARVARD SCHOOL of Public Health researchers at Nano-Symposium at Kyoto University, 2012



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.

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.

TESTING INSTITUTE: KITASATO RESEARCH CENTER FOR ENVIRONMENTAL SCIENCE

	Target Substance	Substance Name	Effectiveness	Test Report no	Method	Result
AIRBORNE	Bacteria	Staphylococcus aureus (NBRC 12732)	99%	KRCES-Bio. Test Report No. 23_0182	The AC with nanoe-g was operated in a test room (25m³) and aerosol was collected and bacterial count was calculated.	99% removal from the air after 150 minutes of operation.
	Virus	Escherichia coli phage (øX-174 ATCC 13706-B1)	99%	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%	KRCES-Env. Test Report No. 22_0008	nanoe-G was operated in a test chamber (200 Litre) and the phages were collected and phage count of the collected air was calculated.	99% removal from the air after 5 minutes of operation.
		Influenza (H1N1) 2009 virus	99%	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%	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.

- *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)

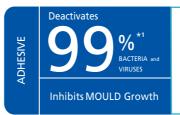
All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.

ADHESIVE

TESTING INSTITUTE: JAPAN FOOD RESEARCH LABORATORIES

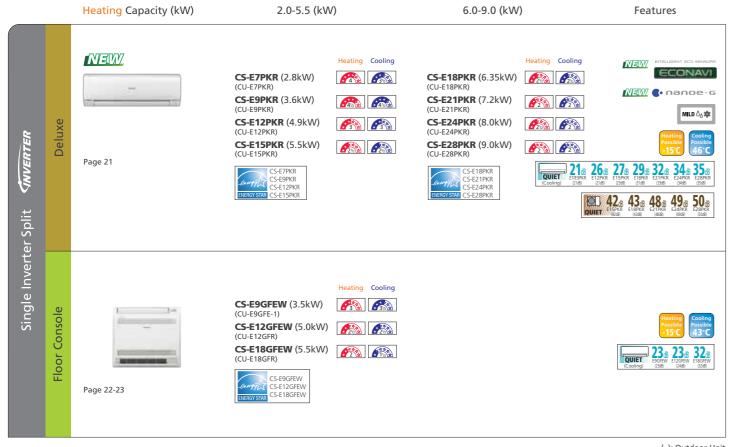
ADHESIVE	Target Substance	Substance Name	Effectiveness	Test Report no	Method	Result
	Bacteria	Staphylococcus aureus (NBRC 12732)	99%	Test Report No. 11047933001-02	The AC with nanoe-G was operated in a test space (10m³) and viable cells were counted by pour plate method.	99% inactivation after 24 hour operation of nanoe-G. (compared to the original condition/ventilation mode)
	Virus	Bacteriophage (Phi X 174 NBRC 103405)	99%	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	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)

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



- *1 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)

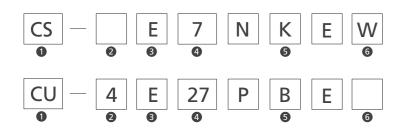
All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.



(): Outdoor Unit



THE SYSTEM OF MODEL NUMBERS FOR SPLIT MODELS



- Model Type
 - CS: Split Type (Indoor unit)
 - CU : Split Type (Outdoor unit) CZ: Accessories
- 2 Connection Configuration / Classification <Indoor unit> No Indications : Single Split / Deluxe
 - <Outdoor unit> n: (n) rooms Multi

- 3 Function E : Inverter Reverse Cycle
- 4 Capacity Value = Capacity (Btu/h) x 1/1000 e.g. 18,000 Btu/h x 1/1000 = 18
- **5** Type
 - : Wall-Mounted Type
- : Floor Console Type
- : Floor or Ceiling Dual Mountable Type
- В4 : Cassette Type
- D3 : Hide-Away Type : Flexibly connectable to various type of indoor unit
- 6 Other
 - <Indoor unit>
 - W : For either single or multi use



Feature Comparison >> p.32~p.33

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