

Panasonic

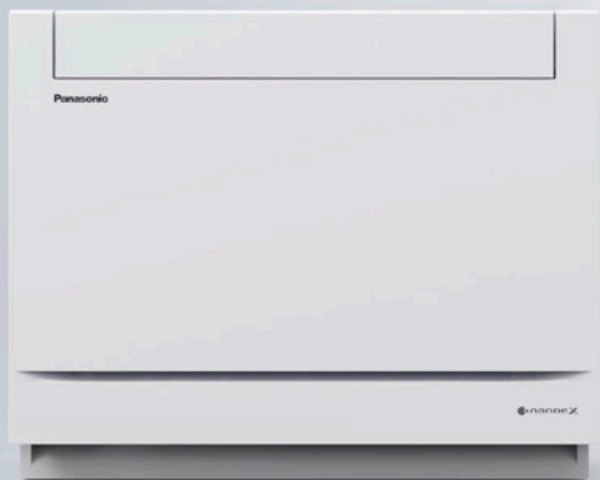
AIR CONDITIONING

ECONAVI REVERSE
CYCLE INVERTER
AERO SERIES



**HIGHWALL &
FLOOR CONSOLE
2018**

ECONAVI REVERSE
CYCLE INVERTER
CLASSIC SERIES



ECONAVI REVERSE
CYCLE INVERTER
PREMIER SERIES



CLASS LEADING FEATURES

AEROWINGS

SUPERIOR AIRFLOW

Panasonic's new AEROWINGS feature incorporates two independent blades that concentrate airflow to give you comfort in the shortest time possible. This also helps distribute air evenly throughout the room.*

* Aero Series only.



FASTER COOLING

The new Panasonic Thermal Enhancement Technology (P-Tech) enables the compressor to achieve maximum frequency in the shortest time from start up, allowing for 15%* faster cooling.†

* Compared to Panasonic 2014 model.

† Aero Series only.

INTELLIGENT ECO SENSORS

ECONAVI

+

INVERTER

ENERGY SAVING TECHNOLOGY

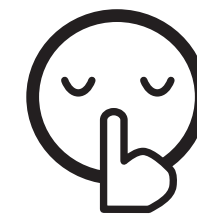
ECONAVI sensors and INVERTER technology work together to moderate the temperature according to room usage. By adapting to the way you live and optimizing its operation, this unique feature makes the air conditioning more energy efficient and keeps you comfortable throughout the day and night.

CONTROL, COMFORT & REASSURANCE

CLEAN & HEALTHY AIR



nanoe utilises nano-technology's 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.



QUIET OPERATION

Panasonic Air Conditioning Systems are amongst the quietest in the world, so you can enjoy the comfort of running your Air Conditioner at night and still have a relaxing sleep. The outdoor unit is also very quiet which means you don't have to worry about keeping your neighbours up either.

LATEST REFRIGERANT

One of Panasonic's principles has always been to sustain the environment around us. Therefore, we have made it a goal to move toward the more ozone friendly refrigerant R32. It is especially suitable for use in Air Conditioning and results in better energy efficiency.*

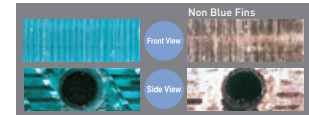
* Aero and Premier Series only.





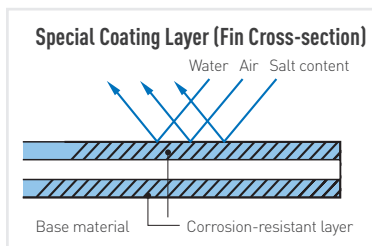
An Air Conditioner's performance depends largely on its condenser, which can take a beating from exposure to salty air, wind, dust and other corrosive factors. Panasonic has found a way to expand the life of our condensers, using a layer of our original anti-rust coating. This special coating lets you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

Cyclic Corrosion Test Results



Test Proven Longer Durability

Panasonic's condenser has special coating assures longer condenser life for years of reliable comfort. Note: According to Panasonic test results.



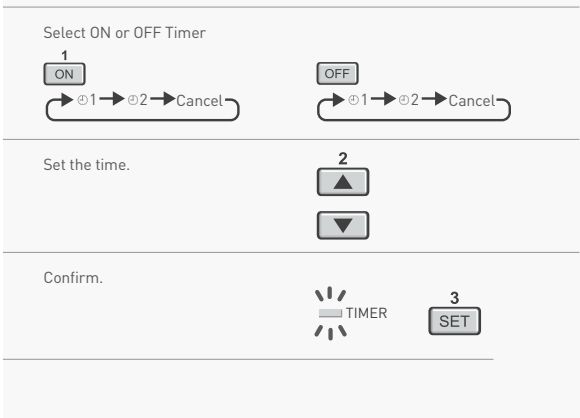
EASY-TO-USE REMOTE CONTROLLER

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

DUAL TIMER 24 DUAL

DUAL TIMER FOR 2 ON AND OFF TIMES PER DAY

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



- 1 LCD display for an easy overview of the operation status.
- 2 Come home to fast cooling. Then enjoy continuous comfort with Shower Cooling which avoids direct cooling.
- 3 ECONAVI monitors sunlight intensity, human movement, activity levels and human absence to detect and reduce energy waste.
- 4 Activates the nanoe-G function even when the Air Conditioner is switched off.
- 5 Press up or down to set the temperature.
- 6 Toggles between iAUTO-X, COOL and DRY setting mode.
- 7 Maintain higher level of Relative Humidity
- 8 Set the airflow.
- 9 Adjusts the fan speed.
- 10 Stronger airflow to cool the room more quickly /Quiet function allows you to sleep comfortably at night.
- 11 Set the 24-hour ON & OFF Timer or 24-hour Dual ON & OFF Timer.
- 12 Set the actual time (hour and minute).



CONTROL & CONNECTIVITY

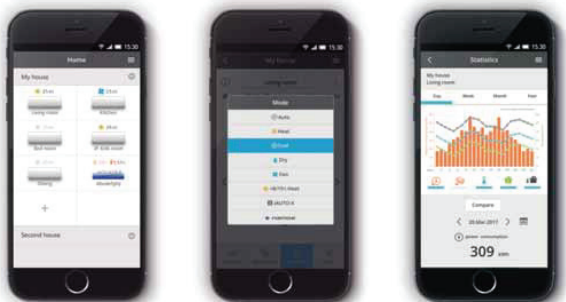


New CZ-TACG1 Panasonic Wifi kit: Control your comfort and efficiency with the lowest energy consumption

Control your air conditioning with the smart internet control device via smartphone or tablet. Offering even more functions as if you were at home or in the office: start/stop, mode operation, set temperature, weekly timer, etc as well as the new, advanced functionality provided by Internet Control to achieve the best comfort and efficiency with the lowest energy consumption.

Unique advanced features such as: Control up to 200 units from the one app including group control of 20 units at a time, Error code reporting and estimated energy consumption reporting.

Compact size 35mm W x 65mm H x 13mm D



RELIABLE COMFORT COMES FROM RELIABLE TECHNOLOGY

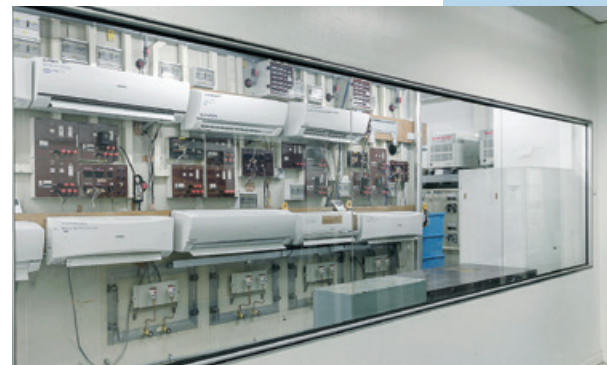
DISCREET COMFORT

A Panasonic Air Conditioner should be the hard-working hero you never notice. From noise measurements, to environmental performance and even operating ease, we repeatedly test our models to make sure they keep your home comfortable without ever intruding on your life.



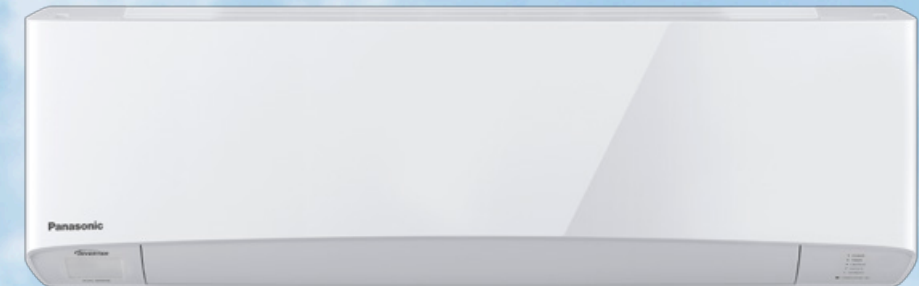
TESTED DURABILITY

We simulate continuous operation under the harshest of conditions, subject the outdoor units to wind and rain tests and then examine every mechanism to ensure we are delivering a rugged product you can depend on for many years.



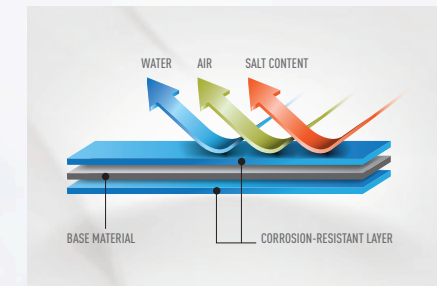
SHOCK RESISTANCE

We love our Air Conditioners but that doesn't mean we go easy on them. We simulate impacts, vibrations, drops and stacking issues the units might face in transportation and storage, so we know they will be ready for action when they reach your home.



KIWI TEMPERATURES

Our Air Conditioning systems boast an outstanding operating temperature range. Cooling operation is possible even when it is a scorching +46°C outside, which is perfect for our hot summer days. The heating operation is designed to operate even when it's a freezing -15°C outside, so even the coldest parts of New Zealand are covered.



BUILT TOUGH

Panasonic outdoor units are built to last in the harsh New Zealand environment. To ensure you will enjoy many years of reliable comfort from your Air Conditioner the internal components of the outdoor unit are coated with a special blue coating that protects the unit from the damaging effects of salty air, dust, wind and rain.



COUNT ON PANASONIC

Panasonic Air Conditioners are manufactured to the highest quality standards to ensure years of reliable comfort. We even back our reliability by offering a full 5 year parts and labour warranty.

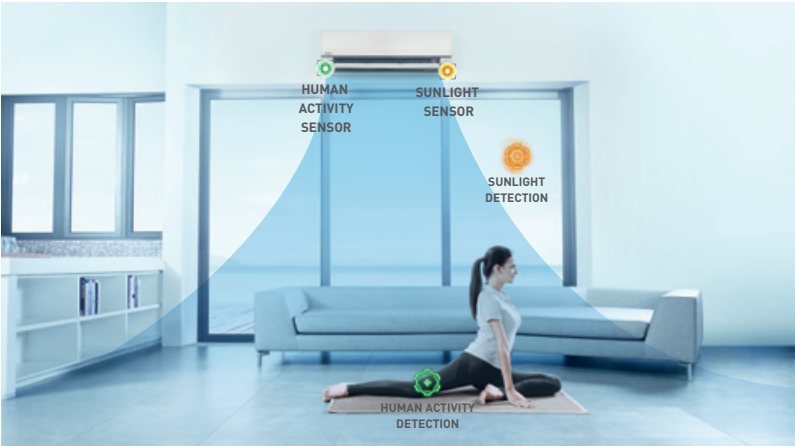
INTELLIGENT ECO SENSORS



Enjoy Ultimate Comfort With Energy Savings

ECONAVI has two sensors – Human Activity Sensor and Sunlight Sensor. Together, they monitor human location, movement, absence, and sunlight intensity to use energy more efficiently.

ECONAVI SAVES YOU ENERGY BECAUSE IT SENSES:



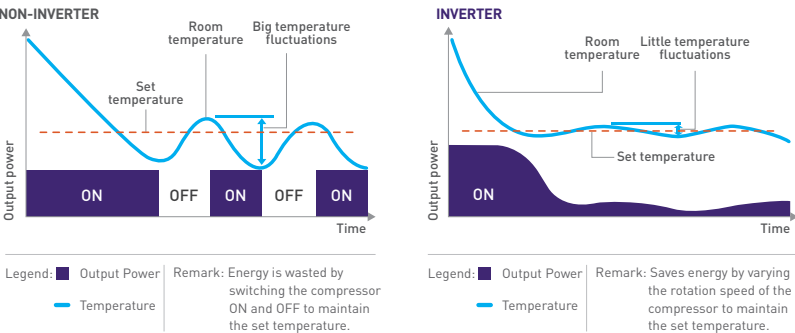
- AREA SEARCH
Where you are.
- ABSENCE DETECTION
When you leave the room.
- ACTIVITY DETECTION
When you are less active.
- SUNLIGHT DETECTION
Whether it's a sunny day or at night.
- TEMPERATURE WAVE
Adapts rhythmic temperature control after detecting low activity level.

*Note: Selected Models Only.



Precise Temperature Control

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



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

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

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

MAXIMUM POWER
 Compressor rotation speed: HIGH
When required, the unit operates at full power.
Power: 4.00kW

MEDIUM POWER
 Normal condition
Power: 3.50kW

MINIMUM POWER
 Compressor rotation speed: SLOW
When not required, the unit operates at low power to save energy.
Power: 0.90kW

Graph shows the CS/CU-Z35TKR wide power output range during cooling.



Breathe Clean & Healthy

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

How nanoe-G works:



- 1 REMOVES AIRBORNE PARTICLES (Up to 99%^{*1,2})**
Removal of 99% of particle pollution (PM2.5)^{*1} and airborne particles^{*2} such as bacteria, viruses and mould.
- 2 DEACTIVATES ADHESIVE PARTICLES & DEODORISES ADHESIVE ODOURS (Up to 99%^{*3})**
Deactivates 99%^{*3} adhesive micro-organisms and deodorises adhesive odours.
- 3 IN-FILTER DEACTIVATION (Up to 99%^{*4})**
Deactivates 99%^{*4} of bacteria and viruses trapped in the filter.

NOTE: *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. ^{*1}PM2.5 Removal was certified by FCG Research Institute, Inc. Test Report no: 25034. PM2.5: Cigarette Smoke (as PM2.5). Effectiveness is measured on 0.3µm-2.5µm. (Specific size only). This removal effect is not proven for all the airborne toxic substances. ^{*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). ^{*3}Adhesive Deactivation was certified by Japan Food Research Laboratories. Test Report number: 11047933001-02 Bacteria: Staphylococcus aureus (NBRC 12732) Test Report number: 11073649001-02 Virus: Bacteriophage (Phi X 174 NBRC 103405) Test Report number: 11047937001-02 Mould: C/adosporium cladosporioides (N BRC 6348) Adhesive odour deodorisation was certified by OMI ODOR-AIR SERVICE Co. Ltd. Test Report No. 13-1204. ^{*4}In-Filter Deactivation was certified by Japan Food Research Laboratories Test Report number, 12037932001 Virus: Escherichia coli phage (øX-174 ATCC 13706-B1) 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.



















*¹&*²&*³&*⁴ All results are based on specific testing conditions. All tests are not demonstrated under actual usage situation.



THE PERFECT MATCH FOR HOME LIVING



FEATURES

ENERGY SAVINGS			
ECONAVI Sensors detect opportunities to reduce waste for more energy savings.		TEMPERATURE WAVE Rhythmic temperature-controlled pattern to save energy without sacrificing comfort.	 INVERTER CONTROL Varies the rotation speed of the compressor for higher energy savings.
COMFORT			
iAUTO-X Come home to ultra-fast cooling, and then enjoy continuous comfort Shower Cooling that evenly distributes cool air. <small>*Z-series econavi reverse cycle models only</small>		QUIET MODE Enjoy the comfort of running your air conditioner at night and still have a relaxing sleep.	 PERSONAL AIRFLOW CREATION Vertical and horizontal airflow patterns can be combined as desired to achieve optimum comfort, with operation possible by remote, even from a distance. <small>* CS/CU-RZ25TKR, CS/CU-RZ35TKR, CS/CU-RZ42TKR, CS/CU-RZ50TKR, CS/CU-RZ60TKR, CS/CU-RZ71TKR & CS/CU-RZ80TKR only</small>
MILD DRY COOLING Fine control helps prevent a rapid decrease in room humidity while maintaining the set temperature.		FAN MODE Allows you to run the fan without any cooling or heating, thus giving just ventilation.	 AUTO CHANGEOVER (INVERTER) In Auto Mode the unit will select if heating or cooling is required.
POWERFUL MODE Pressing the Powerful button cools or heats the room quickly. It provides fast comfort, with full power and a strong airflow. This is perfect for use immediately after coming home, or when unexpected guests arrive.		SOFT DRY OPERATION MODE Starts with cooling to dehumidify, then provides continuous breeze at a low frequency to keep a room dry without much change to the temperature.	 HOT START CONTROL On the start of the heating cycle and after the defrost cycle, the indoor fan will start up once the indoor heat exchanger is warm.
CLEAN & HEALTHY AIR			
nanoe-G nanoe-G works effectively on airborne particles including PM2.5, adhesive and in-filter micro-organisms such as bacteria, viruses and mould ensuring a cleaner living environment.		ODOUR-REMOVING FUNCTION With this function, there's no unpleasant odor when the unit starts up. That's because the fan remains off momentarily, while the source of the odour inside the air conditioner is suppressed. The unit must be in cool or dry mode and the fan speed must be set to automatic.	 REMOVABLE, WASHABLE PANEL Gives you easy access to the filter as well making the unit easy to clean.
CONVENIENCE			
24-HOUR DUAL ON & OFF REAL SETTING TIMER This feature enables you to preset two different sets of start/stop operation timer (hour and minute) within a 24-hour time frame.		3RD PARTY CONNECTIVITY Allows limited control from an external source when wired to do so.	 WIRED REMOTE CONTROL (OPTIONAL) For use in commercial applications, or where users don't want a remote control.
DEMAND RESPONSE ENABLING DEVICE (DRED) Allows Electrical Utility Companies to regulate the power supply to the units if connected.		LCD WIRELESS REMOTE CONTROL Easy control of the unit from anywhere in the room.	
RELIABILITY			
BLUE FIN CONDENSER Extra protection from the elements with a longer lasting coil.		LONG PIPING Long piping offers more flexible installation options.	 SELF-DIAGNOSTIC FUNCTION Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows for quicker servicing.
RANDOM AUTO RESTART When multiple units are connected and there is a power outage, they will turn on at different times in order to not spike the power supply.		TOP-PANEL MAINTENANCE ACCESS Easy access for maintenance.	

FLOOR CONSOLE FEATURES

New Floor Console with new nanoe™ X air-purifying system: outstanding efficiency, comfort (Super Quiet technology only 19dB(A)) and healthy air combined with a breakthrough design

Double airflow for improved comfort and temperature dispersion: through the top for an efficient cooling mode.



*CS-Z25UFW | CS-Z35UFW | CS-Z50UFW



1.Deodorises

2.Inhibits Bacteria & Viruses



nanoe™ X deodorises strong and unpleasant odours that cause uneasiness so you can enjoy a more pleasant living space for greater well-being.


nanoe™ X inhibits the growth of allergens, bacteria and viruses in your home, maintaining a cleaner home for your children.

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)

Heating



Upward and downward air flow warms the whole room uniformly.


Cooling



Upward air flow efficiently cools the entire room.

■ 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 50 mm.



■ Control & Connectivity


New CZ-TACG1 Panasonic network adaptor: Control your comfort and efficiency with the lowest energy consumption

Control your air conditioning with the smart internet control device via smartphones, tablet and smart desktop phone via internet. Offering even more functions as if you were at home or office: start/stop, mode operation, set temperature, room temperature, weekly timer, etc as well as the new, advanced functionality provided by Internet Control to achieve the best comfort and efficiency with the lowest energy consumption.





■ Super Quiet

The indoor and outdoor units deliver quiet operation and pressing the Quiet mode button lowers operation noise even further to just 19dB for indoor unit with low fan speed.



*CS-Z25UFW & CS-Z35UFW: In the Quiet mode during heating operation with low fan speed.

FLOOR CONSOLE SPECIFICATIONS



(Optional)

CS-Z25UFW | CS-Z35UFW | CS-Z50UFW

Heating: 4.5, 3.5, 3 stars; Cooling: 5, 3.5, 2.5 stars

SPECIFICATIONS

MODEL		[240V]	CS-Z25UFW [CU-Z25UBRA]	CS-Z35UFW [CU-Z35UBRA]	CS-Z50UFW [CU-Z50UBRA]
Cooling/Heating Capacity		kW	2.50 [0.85~3.40] 3.40 [0.85~5.00]	3.50 [0.85~3.80] 4.30 [0.85~6.00]	5.00 [0.90~5.70] 5.60 [0.90~8.10]
		Btu/h	8,530 [2,900~11,600] 11,600 [2,900~17,100]	11,900 [2,900~13,000] 14,700 [2,900~20,500]	17,100 [3,070~19,400] 19,100 [3,070~27,600]
Air Flow		L/s	163 173	170 182	198 227
Dehumid		L/h	1.5	2.0	2.8
Running Current		A	2.30 3.25	3.70 4.60	6.0 6.4
Power Input		W	500 [240~900] 740 [240~1,350]	860 [240~1,020] 1,060 [240~1,750]	1,370 [255~1,810] 1,470 [260~2,600]
EER/COP		W/W	5.00 [3.54~3.78] 4.59 [3.54~3.70]	4.07 [3.54~3.73] 4.06 [3.54~3.43]	3.65 [3.53~3.15] 3.81 [3.46~3.12]
Star Rating			5.0 4.5	3.5 3.5	2.5 3.0
Sound Pressure Level*1 dB (A)	Inside (Hi/L0/S-L0)		38/25/20 38/25/19	39/26/20 39/25/19	44/31/27 46/33/29
	Outside (Hi/S-L0)		46/--- 47/---	48/--- 50/---	48/-/43 49/-/44
Sound Power Level dB (A)	Outside (Hi/S-L0)		61/--- 62/---	63/--- 65/---	63/-/58 64/-/59
Net Weight		kg	13 [33]	13 [35]	13 [42]
Dimensions	Height x Width x Depth	mm	600 x 750 x 207 (542 x 780 x 289)	600 x 750 x 207 (619 x 824 x 299)	600 x 750 x 207 (695 x 875 x 320)
Refrigerant Pipe Diameter	Liquid Side	mm/(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Side	mm/(inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)
Pipe Extension Length	Min-Max (m)		3~20	3~20	3~30
Pipe Length for Additional Gas	m		7.5	7.5	7.5
Additional Gas Amount	g/m		10	10	15
Power Supply			Outdoor	Outdoor	Outdoor
Operating Range (Outdoor)	Cooling	Degree (°C)	-10~+46	-10~+46	-10~+46
	Heating	Degree (°C)	-15~+24	-15~+24	-15~+24

*1 Sound Pressure Level is measured according to JIS C 9612.

OUTDOOR

CU-Z25UBRA



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

CU-Z35UBRA



Star Rating (Heating)

CU-Z50UBRA



Star Rating (Cooling)

Panasonic

AIR CONDITIONING

panasonicaircon.co.nz

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