

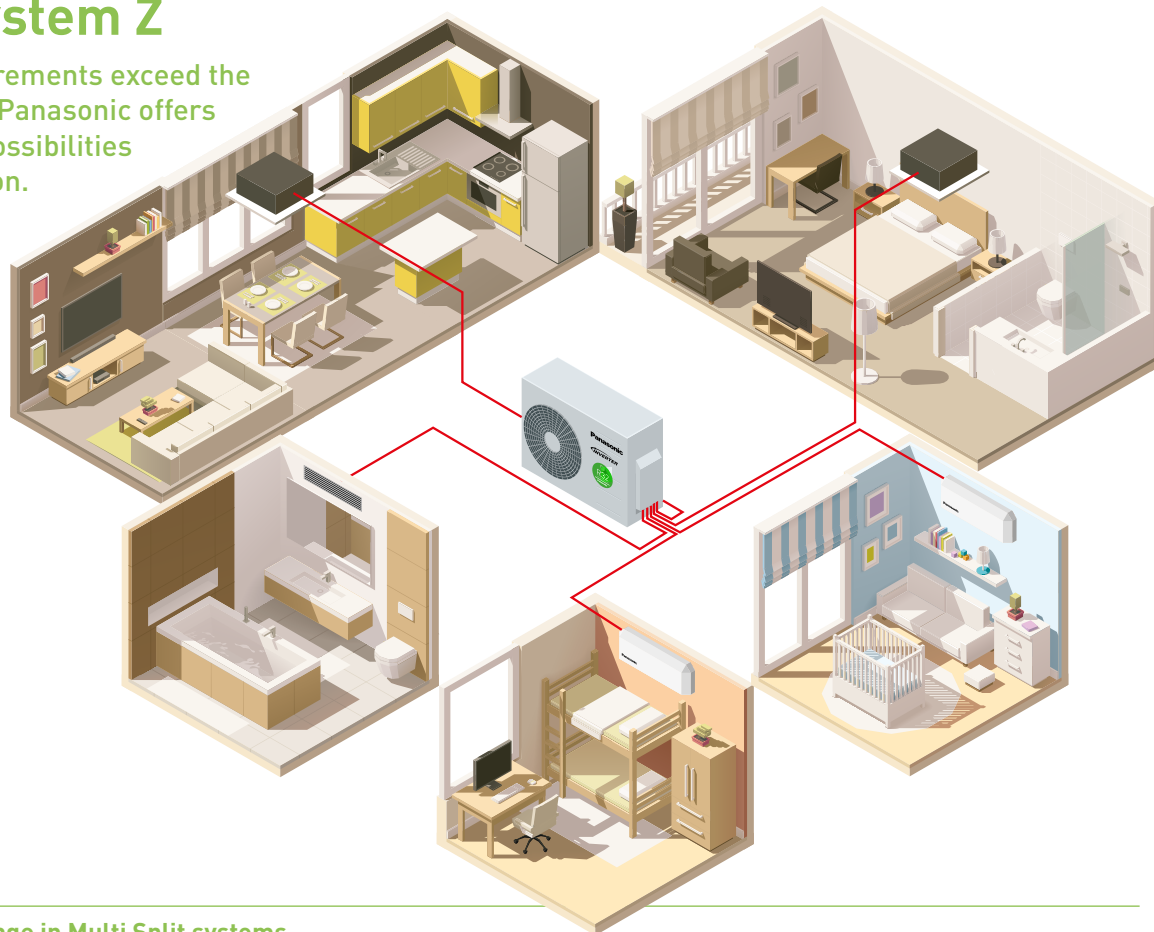
## Free Multi System Z

- Up to 5 indoor units with a single outdoor unit
- Up to 5 rooms with individual control
- Etherea, floor console and 4 way 60x60 cassette with nanoe™ X technology to improve protection 24/7
- Wide choice of indoor units to adapt to each room
- High energy efficiency class A+++ SEER
- Flexible installation, compact units and large connection distance
- Indoor units compatible with internet and voice control



# Free Multi system Z

If air conditioning requirements exceed the scope of a single room, Panasonic offers an extensive range of possibilities with a multi split solution.



## Panasonic offers widest range in Multi Split systems

The multi split solution offers high flexibility, as 2 to 5 indoor units can be connected to a single outdoor unit. The wide range of compatible indoor units includes Etherea and TZ wall-mounted units, floor console, 4 way 60x60 cassette and low static pressure hide-away.

Full flexibility up to 9,0 kW and up to 5 ports with wide range of indoor units including high performance Etherea indoor units, reaching up to A+++ / A++.

## Why a Multi Split is better than several separate split units

### Up to 5 indoor units with a single outdoor unit.

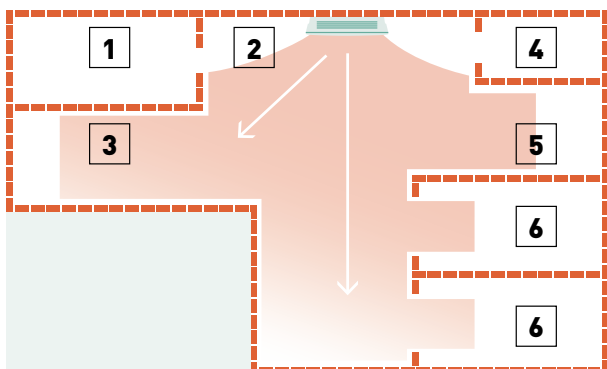
- Just one compact outdoor unit
- Increased comfort in the house since every room has its own indoor unit for heating or cooling
- Much more powerful than a single split

- More efficient since the units are always operating at full capacity
- You can connect all types of indoor units, such as wall types and consoles, depending on what suits your house best

### Solution with single split.

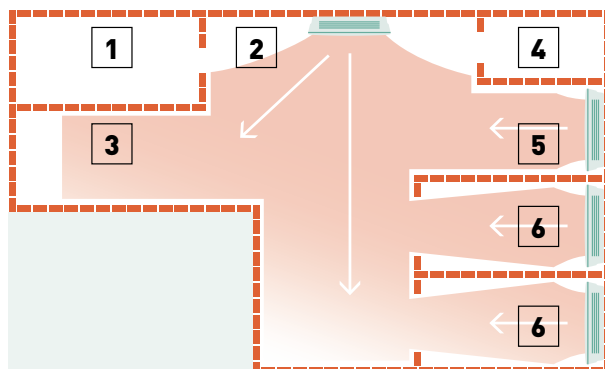
One indoor unit is connected to one outdoor unit. The indoor unit is placed in the main hallway and heats the entire house. Certain rooms may not be perfectly heated, which causes inadequate comfort.

1. Laundry room. 2. Entrance. 3. Kitchen/dining area. 4. Bathroom. 5. Living room. 6. Bedroom.



### Solution with Multi Split.

With one outdoor unit, you can connect up to five indoor units. There is one indoor unit per room or area. It gives an extreme increase in comfort levels. On the roof, there is only one outdoor unit.





Full flexibility up to 9,0 kW and up to 5 ports with wide range of indoor units including high performance Etherea indoor units, reaching up to A+++ / A++



#### Wall Mounted Etherea Silver / Pure White Matt

##### Etherea with nanoe™ X technology

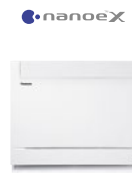
With a new sleek design, an outstanding efficiency A+++, advanced smart control that allows to connect with voice assistant and Aerowings 2.0 for the ultimate comfort.



#### Wall Mounted TZ Compact Style

##### Compact and elegant design with only 779 mm wide.

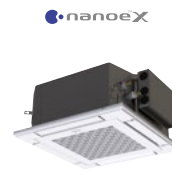
The perfect air conditioner for the smallest spaces in your home (including the limited space above a door). With PM2.5 filter and built-in Wi-Fi.



#### Floor Console

##### With new nanoe™ X technology.

A breakthrough design that integrates perfectly with the most modern environments, providing high comfort and energy efficiency.



#### NEW 4 Way 60x60 Cassette

##### Designed for easy installation.

Specially designed for homes, offices, retail and restaurant applications. This cassette fits perfectly into 60x60 ceiling grids. With nanoe™ X technology.



#### Low Static Pressure Hide Away

##### Extremely compact indoor units (only 200 mm high).

Ideal for rooms where the air conditioning and the heating should be nicely integrated and where high comfort and efficiency is needed.

### New Etherea with nanoe™ X technology



#### A smart solution to keep your home clean, comfortable and welcoming

The smart, new Etherea now comes with nanoe™ X technology with the benefits of hydroxyl radicals. With advanced control options, class-leading performance, a stylish design and intelligent features, Etherea is designed to make your home comfortable, clean and the ideal place to be.

#### Technology for the ultimate comfort

Introducing the Aerowings 2.0 to the Etherea range. Panasonic's Aerowings technology consists of two independent flexible vanes that concentrate airflow to heat or cool a room in the shortest time possible and helps distribute air evenly throughout a room.

#### Sleek design with easy-to-use remote controller

Panasonic has meticulously designed a new Etherea for a sleek and stylish solution to blend with any interior. Its elegant monolithic design is robust and allows for a high-performance air conditioner, with a large air discharge area to optimise performance.

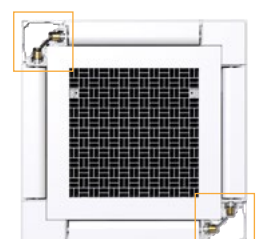


### New 4 way 60x60 cassette with nanoe™ X technology and individual flap control

With a new compact and stylish design, the new 4 way cassette has better control of the air flow thanks to the individual flap control with 2 flap motors, resulting on a perfect air distribution without direct airflow to reduce the feeling of cold draft.

nanoe™ X technology equipped as standard for improved indoor air quality.

NEW  
2022



# Bringing nature's balance indoors



## nanoe™ X, technology with the benefits of hydroxyl radicals.

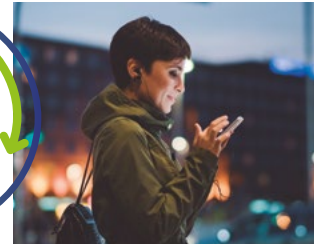
Abundant in nature, hydroxyl radicals (also known as OH radicals) have the capacity to inhibit pollutants, viruses, and bacteria to clean and deodorise. nanoe™ X, technology can bring these incredible benefits indoors so that hard surfaces, soft furnishings, and the indoor environment can be a cleaner and pleasant place to be.



### nanoe™ X, improving protection 24/7

#### Actively cleans your air and inhibits certain types of pollutants all day long.

nanoe™ X works together with heating or cooling function when you are at home and can work independently when you are away. Give the air conditioning the strength to increase the protection at home with nanoe™ X technology and convenient control via the Panasonic Comfort Cloud App.



### Panasonic's nanoe™ X technology takes this a step further and brings nature's detergent – hydroxyl radicals – indoors to help create an ideal environment

Thanks to the nanoe™ X properties, several types of pollutants can be inhibited such as certain types of bacteria, viruses, mould, allergens, pollen and certain hazardous substances.

#### Deodorises



Odours

#### Capacity to inhibit 5 types of pollutants



Bacteria and viruses



Mould



Allergens



Pollen



Hazardous substances

#### Moisturises

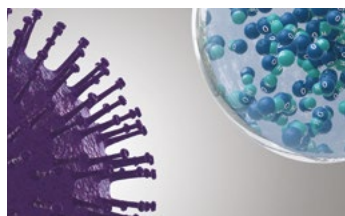


Skin and hair

The nanoe™ X performance varies depending on the room size, environment and usage and it may take several hours to reach the full effect. nanoe™ X is not medical device, local regulations on building design and sanitary recommendations must be followed.

### Panasonic's nanoe™ X technology takes this a step further and brings nature's detergent – hydroxyl radicals – indoors to help create an ideal environment

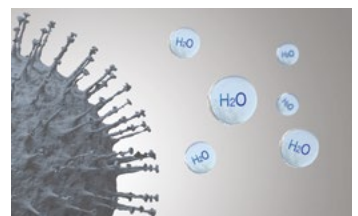
Thanks to the nanoe™ X properties, several types of pollutants can be inhibited such as certain types of bacteria, viruses, mould, allergens, pollen and certain hazardous substances.



1 | nanoe™ X reliably reaches pollutants.



2 | Hydroxyl radicals denature pollutants' proteins.



3 | Pollutants activity is inhibited.

# Free Multi System Z: high flexibility, customisation and connectivity

The ideal combination to satisfy all needs.

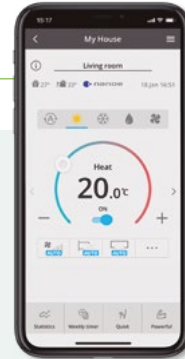
## Welcome to the connected world of Panasonic Comfort Cloud App

**Smart Control:** In control of cooling and heating comfort anytime, anywhere.

**Smart Comfort:** Easily manage your comfort and air quality.

**Smart Efficiency:** More comfort with less wasted energy.

**Smart Assist:** Be informed of breakdowns.



## Voice Control. Words do more than actions







Control without boundaries and get hands-free help to fully access the features of your air conditioners. Maximising your cooling comfort is now a breeze with our Network-Enabled air conditioners with Panasonic Comfort Cloud and Voice Control.



## A wide range of possibilities

Panasonic offers you the solution that perfectly matches your project in terms of total capacity, single indoor capacity and indoor type choice. Size, performance, quiet operation and other exceptional features can be chosen amongst Panasonic's free multi range.

### Outdoor Unit. System Capacity (Min - Max Indoor Cooling Capacity Nominal)

	2 Rooms		3 Rooms		4 Rooms		5 Rooms		
	3,2 - 6,0kW	3,2 - 6,0kW	3,2 - 7,7kW	4,5 - 9,5kW	4,5 - 11,2kW	4,5 - 11,5kW	4,5 - 14,7kW	4,5 - 18,3kW	
	CU-2Z35TBE		CU-2Z50TBE		CU-3Z68TBE				CU-5Z90TBE

## Indoor units • R32 GAS

Capacity		16	20	25	35	42	50	60	71
<b>Etherea Silver / Pure White Matt</b>		CS-MZ16XKE	CS-XZ20XKEW CS-Z20XKEW	CS-XZ25XKEW CS-Z25XKEW	CS-XZ35XKEW CS-Z35XKEW	CS-Z42XKEW	CS-XZ50XKEW CS-Z50XKEW		CS-Z71XKEW
<b>Wall Mounted TZ Compact Style</b>		CS-MTZ16WKE	CS-TZ20WKEW	CS-TZ25WKEW	CS-TZ35WKEW	CS-TZ42WKEW	CS-TZ50WKEW	CS-TZ60WKEW	CS-TZ71WKEW
<b>Floor Console*</b>			CS-MZ20UFEA	CS-Z25UFEAW	CS-Z35UFEAW		CS-Z50UFEAW		
<b>NEW 4 Way 60x60 cassette</b>			S-M20PY3E CZ-KPY4	S-25PY3E CZ-KPY4	S-36PY3E CZ-KPY4		S-50PY3E CZ-KPY4	S-60PY3E CZ-KPY4	
<b>Low Static Pressure Hide Away</b>			CS-MZ20UD3EA	CS-Z25UD3EAW	CS-Z35UD3EAW		CS-Z50UD3EAW	CS-Z60UD3EAW	

\* Compatible only with 2 ports R32 outdoor CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE.







Optional wired remote controller. CZ-RD514C

INTERNET CONTROL: Built-in Wi-Fi.



Wall-mounted Etherea	Indoor unit Silver	Indoor unit Pure White Matt	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure <sup>1)</sup>		Dimension / Net weight	Piping diameter
						Cool — Heat (Hi/Lo/S-Lo)	dB(A)		
1,6 kW	—	CS-MZ16XKE	1,60	2,60	4 x 1,5	38/26/21 — 39/27/21	295 x 870 x 229/10	1/4 (6,35) / 3/8 (9,52)	
2,0 kW	CS-XZ20XKEW	CS-Z20XKEW	2,00	3,20	4 x 1,5	39/26/21 — 40/27/21	295 x 870 x 229/10	1/4 (6,35) / 3/8 (9,52)	
2,5 kW	CS-XZ25XKEW	CS-Z25XKEW	2,50	3,60	4 x 1,5	41/27/21 — 43/29/21	295 x 870 x 229/10	1/4 (6,35) / 3/8 (9,52)	
3,5 kW <sup>2)</sup>	CS-XZ35XKEW	CS-Z35XKEW	3,50	4,50	4 x 1,5	44/30/21 — 45/35/21	295 x 870 x 229/11	1/4 (6,35) / 3/8 (9,52)	
4,2 kW <sup>3)</sup>	—	CS-Z42XKEW	4,20	5,60	4 x 1,5	44/33/27 — 45/37/31	295 x 870 x 229/10	1/4 (6,35) / 1/2 (12,70)	
5,0 kW <sup>4)</sup>	CS-XZ50XKEW	CS-Z50XKEW	5,00	6,80	4 x 2,5	44/39/32 — 46/39/32	295 x 1040 x 244/12	1/4 (6,35) / 1/2 (12,70)	
7,1 kW	—	CS-Z71XKEW	7,10	8,70	4 x 2,5	49/40/32 — 49/40/32	295 x 1040 x 244/14	1/4 (6,35) / 5/8 (15,88)	



Optional wired remote controller. CZ-RD514C

INTERNET CONTROL: Built-in Wi-Fi.



Wall-mounted TZ super-compact	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure <sup>1)</sup>		Dimension / Net weight	Piping diameter
					Cool — Heat (Hi/Lo/S-Lo)	dB(A)		
1,6 kW	CS-MTZ16WKE	1,60	2,60	4 x 1,5	38/27/22 — 39/28/24	290 x 779 x 209/8	1/4 (6,35) / 3/8 (9,52)	
2,0 kW	CS-TZ20WKEW	2,00	2,70	4 x 1,5	37/25/20 — 38/26/22	290 x 779 x 209/8	1/4 (6,35) / 3/8 (9,52)	
2,5 kW	CS-TZ25WKEW	2,50	3,30	4 x 1,5	40/26/20 — 40/27/22	290 x 779 x 209/8	1/4 (6,35) / 3/8 (9,52)	
3,5 kW <sup>2)</sup>	CS-TZ35WKEW	3,50	4,00	4 x 1,5	42/30/20 — 42/33/22	290 x 779 x 209/8	1/4 (6,35) / 3/8 (9,52)	
4,2 kW	CS-TZ42WKEW	4,20	5,00	4 x 1,5	44/31/29 — 44/35/34	290 x 779 x 209/8	1/4 (6,35) / 1/2 (12,70)	
5,0 kW	CS-TZ50WKEW	5,00	5,80	4 x 2,5	44/37/33 — 44/37/33	290 x 779 x 209/8	1/4 (6,35) / 1/2 (12,70)	
6,0 kW	CS-TZ60WKEW	6,00	7,00	4 x 2,5	45/37/34 — 45/37/34	302 x 1102 x 244/13	1/4 (6,35) / 1/2 (12,70)	
7,1 kW	CS-TZ71WKEW	7,10	8,60	4 x 2,5	47/38/35 — 47/38/35	302 x 1102 x 244/13	1/4 (6,35) / 5/8 (15,88)	



Optional wired remote controller. CZ-RD514C

INTERNET CONTROL: Optional.



Floor console <sup>5)</sup>	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure <sup>6)</sup>		Dimension / Net weight	Piping diameter
					Cool — Heat (Hi/Lo/S-Lo)	dB(A)		
2,0 kW	CS-MZ20UFEA	2,00	3,20	4 x 1,5	39/27/22 — 39/27/21	600 x 750 x 207/13	1/4 (6,35) / 3/8 (9,52)	
2,5 kW	CS-Z25UFEAW	2,50	3,60	4 x 1,5	40/27/22 — 40/27/21	600 x 750 x 207/13	1/4 (6,35) / 3/8 (9,52)	
3,5 kW <sup>2)</sup>	CS-Z35UFEAW	3,50	4,50	4 x 1,5	41/28/22 — 41/28/21	600 x 750 x 207/13	1/4 (6,35) / 3/8 (9,52)	
5,0 kW	CS-Z50UFEAW	5,00	5,30	4 x 1,5	44/33/29 — 48/35/31	600 x 750 x 207/13	1/4 (6,35) / 1/2 (12,70)	



Optional wired remote controller. CZ-RTC6



Panel (sold separately). CZ-KPY4

INTERNET CONTROL and BMS CONNECTIVITY: Optional.



NEW 4 Way 60x60 cassette*	Indoor unit (Panel CZ-KPY4)	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure <sup>7)</sup>		Dimension / Net weight		Piping diameter
					Cool — Heat (Hi/Lo/S-Lo)	dB(A)	Indoor H x W x D	Panel H x W x D	
2,0 kW	S-M20PY3E	2,00	3,20	4 x 1,5	33/30/27 — 33/30/27	243 x 575 x 575/15	30 x 625 x 625/2,8	1/4 (6,35) / 1/2 (12,70)	
2,5 kW	S-25PY3E	2,50	3,60	4 x 1,5	33/30/27 — 33/30/27	243 x 575 x 575/15	30 x 625 x 625/2,8	1/4 (6,35) / 1/2 (12,70)	
3,5 kW <sup>2)</sup>	S-36PY3E	3,50	3,60	4 x 1,5	36/32/27 — 36/32/27	243 x 575 x 575/15	30 x 625 x 625/2,8	1/4 (6,35) / 1/2 (12,70)	
5,0 kW <sup>4)</sup>	S-50PY3E	5,00	6,80	4 x 1,5	41/36/29 — 41/36/29	243 x 575 x 575/15	30 x 625 x 625/2,8	1/4 (6,35) / 1/2 (12,70)	
6,0 kW	S-60PY3E	6,00	8,50	4 x 1,5	45/39/33 — 45/39/33	243 x 575 x 575/15	30 x 625 x 625/2,8	3/8 (9,52) / 5/8 (15,88)	

\* Compatible with Commercial control and connectivity accessories only. For detailed information go to the control systems section.



Optional wireless control kit. CZ-RL511D


INTERNET CONTROL and BMS CONNECTIVITY: Optional.





Low static pressure hide-away	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure <sup>8)</sup>		Dimension / Net weight	Piping diameter
					Cool — Heat (Hi/Lo/S-Lo)	dB(A)		
2,0 kW	CS-MZ20UD3EA	2,00	3,20	4 x 1,5	34/29/26 — 36/29/26	200 x 750 x 640/19	1/4 (6,35) / 3/8 (9,52)	
2,5 kW	CS-Z25UD3EAW	2,50	3,60	4 x 1,5	35/29/26 — 37/29/26	200 x 750 x 640/19	1/4 (6,35) / 3/8 (9,52)	
3,5 kW <sup>2)</sup>	CS-Z35UD3EAW	3,50	4,50	4 x 1,5	35/29/26 — 37/29/26	200 x 750 x 640/19	1/4 (6,35) / 3/8 (9,52)	
5,0 kW <sup>4)</sup>	CS-Z50UD3EAW	5,00	6,80	4 x 1,5	41/31/28 — 41/32/29	200 x 750 x 640/19	1/4 (6,35) / 1/2 (12,70)	
6,0 kW	CS-Z60UD3EAW	6,00	8,50	4 x 1,5	43/32/29 — 43/34/31	200 x 750 x 640/19	1/4 (6,35) / 1/2 (12,70)	


1) The sound pressure of the indoor unit shows the value measured of a position 1 m in front of the main body and 0,8 m below the unit. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 2) Heating capacity in combination with Free Multi outdoor units except with CU-Z235TBE. In this case, the heating capacity is 4,20 kW. 3) Heating capacity in combination with Free Multi outdoor units except with CU-Z250TBE. In this case, the heating capacity is 5,00 kW. 4) Heating capacity in combination with Free Multi outdoor units except with CU-Z235TBE. In this case, the heating capacity is 5,30 kW. 5) Compatible only with 2 ports R32 outdoor CU-Z235TBE / CU-Z241TBE / CU-Z250TBE. Minimum quantity of connection: 2 indoor units. 6) The sound pressure of the units shows the value measured of a position 1 m in front of the main body and 1 m above floor. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 7) The sound pressure of the indoor unit shows the value measured of a position 1,5 m below the unit. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 8) The sound pressure of the indoor unit shows the value measured of a position of 1,5 m below the unit with 1 m duct on the suction side and 2 m duct on the discharge side. The sound pressure is measured in accordance with JIS C 9612.


## High performance and healthy air


 nanoe™ X. Technology with the benefits of hydroxyl radicals has the capacity to inhibit pollutants, viruses, and bacteria to clean and deodorise.


 Particulate matter (PM2,5) can be found suspended in the air, including dust, dirt, smoke and liquid droplets. This filter can catch PM2,5 particles including hazardous pollutants as well as house dust and pollen.


 With Super Quiet technology our devices are quieter than a library (30 dB(A)).

 More comfort with Aerowings. Direct airflow to the ceiling, creating a shower cooling effect with built-in twin flap.


 Down to -10 °C in cooling mode. The air conditioner works in cooling mode when the outdoor temperature of -10 °C.


 Down to -15 °C in heating mode. The air conditioner works in heat pump mode when the outdoor temperature is as low as -15 °C.


 R410A/R22 renewal. The Panasonic renewal system allows good quality existing R410A or R22 pipe work to be re-used whilst installing new high efficiency R32 systems.

 The Panasonic renewal system allows good quality existing R410A or R22 pipe work to be re-used whilst installing new high efficiency R32 systems.


## Energy saving


 Our heat pumps containing the refrigerant R32 show a drastic reduction in the value of Global Warming Potential (GWP). An important step to reduce greenhouse gases. R32 is also a component refrigerant, making it easy to recycle.


 Inverter Plus. Inverter Plus System classification highlights Panasonic's highest performing systems.


 Panasonic R2 Rotary Compressor. Designed to withstand extreme conditions, it delivers high performance and efficiency.









## High connectivity







 Internet control. A next generation system providing user-friendly remote control of air conditioning or heat pump units from everywhere, using a simple Android™ or iOS smartphone, tablet or PC via the internet.

 Domestic integration to P-Link - CZ-CAPRA1. Can connect RAC range to P-Link. Full control is now possible.

 BMS connectivity. The communication port can be integrated into the indoor unit and provides easy connection to, and control of, your Panasonic heat pump to your home or building management system.

 5 Years Warranty. We guarantee the outdoor unit compressors in the entire range for five years.

Outdoor unit features	SEER	SCOP	Inverter+ system	R2 Rotary Compressor	Down to -10°C in cooling only	Down to -15°C in heating mode	R410A/R22 Renewal	Warranty on the compressor
								
CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE	8,50 A+++	4,60 A++	✓	✓	✓	✓	✓	✓
CU-3Z52TBE / CU-3Z68TBE	8,50 A+++ 8,00 A++	4,20 A+	✓	✓	✓	✓	✓	✓
CU-4Z68TBE / CU-4Z80TBE	8,00 A++ 7,90 A++	4,20 A+ 4,70 A++	✓	✓	✓	✓	✓	✓
CU-5Z90TBE	8,50 A+++	4,68 A++	✓	✓	✓	✓	✓	✓

Indoor unit features	nanoe™X	PM2,5 Filter	Aerowings	Super Quiet*	Internet and Voice Control	Easy control by BMS (Optional)
						
Wall Mounted Ethera	✓		✓	✓ 21dB(A) for MZ16, XZ/Z20, XZ/Z25 and XZ/Z35	✓	✓
Wall Mounted TZ Compact Style		✓	✓	✓ 20dB(A) for MTZ16, TZ20/25/35	✓	✓
Floor Console	✓			✓ 22dB(A) for Z25/35	Optional	✓
<b>NEW</b> 4-Way 60x60 Cassette	✓			✓	Optional	✓
Low Static Pressure Hide Away				✓	Optional	✓

\* At the lowest fan speed. 1) Energy Label Scale from A+++ to D

# Panasonic®

To find out how Panasonic cares for you, log on to: [www.aircon.panasonic.eu](http://www.aircon.panasonic.eu)

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heating & cooling solutions