Panasonic

New HZ and CZ

Product Presentation

heating & cooling solutions

HZ - Product Overview

Panasonic

■ Indoor Unit Design

CS-HZWKE**

A+++ 5.2 SCOP

R32 REFRIGERANT

Wireless LAN

nanoeX

Model		CS-HZ25WKE	CS-HZ35WKE
Capacity		2.5 kW	3.5 kW
Dimensions	Indoor unit	295 x 870 x 230 mm	
	Outdoor unit	622 x 824 x 299 mm	
ErP rank		**A++ / A+++**	

Quality Air For Life

nanoe X NEW

nanoe™ X technology with double the number of OH radicals

Excellent Heating Power

- Powerful heating capability at extreme low temp
- Max. heating capacity: 7.40kW*
- Industry No.1 SCOP rating of 5.2*

NEW

* 2.5 kW model

Smart Control

Panasonic | works with Google Assistant | WORKS WITH alexa

- Built-in WLAN for instant connectivity
- Google Assistant and Amazon Alexa compatibility

Design

NEW

- Stylish, compact indoor unit
- New remote control with easy-to-use button layout

Installation Flexibility

2-way power supply

Super Quiet

Low operation noise of just 18 dB in the Low mode (in heating)

HZ – New features

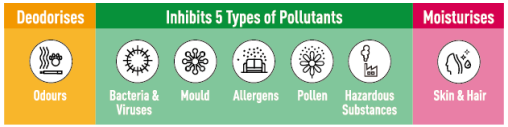
Panasonic

1 nanoe™ X Technology

NEW

nanoeX

Doubled OH radicals nanoe X Generator Mark 2, realise faster suppression of pollutants and odours.



2 Higher Heating Power

NEW

Heating capacity has further Improved.
Stable and reliable heating is realised even in the extreme low temperature of midwinter

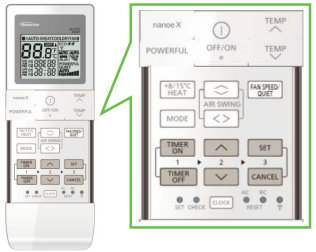
3 New Design

NEW

■ Indoor unit

The badge colour has been changed to light warm silver.
A stylish look that blends with any interior.

■ Controller



Button layout has been changed for easier operation.

HZ – Higher heating capacity

Panasonic

Heating capacity has been further improved for more comfortable, stable heating.

Higher Max. Heating Capacity

Conventional
(CS-HZ25UKE)

7.30 KW

NEW CS-HZ25WKE

7.40 KW

Conventional
(CS-HZ35UKE)

7.75 KW

NEW CS-HZ35WKE

7.83 KW

Higher Heating Capacity at Low Temp

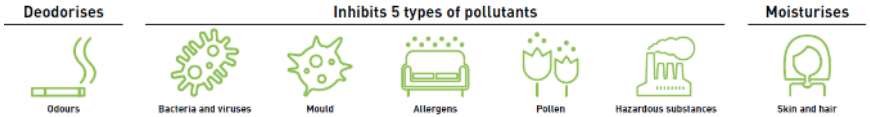
	CS-HZ25WKE	CS-HZ35WKE
Low 2°C	5.36 kW	5.67 kW
Extra low -7°C	4.75 kW	4.80 kW
Nordic -15°C	4.60 kW	4.70 kW
Nordic -20°C	4.03 kW	4.08 kW
Nordic -25°C	3.43 kW	3.53 kW

nanoe™ X Technology

Panasonic

nanoe™ X are charged water particles that improve the quality of the indoor air

The 7 effects of nanoe™X



1 Deodorises

nanoe™ X deodorises strong and unpleasant odours to enjoy a more pleasant living space for greater wellbeing.

2 Inhibits 5 types of pollutants

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

3 Moisturises Skin and hair

Helps retain the moisture of the skin.

nanoe™ X can work independently from the heating or cooling operations.
In that case, indoor fan will be ON.

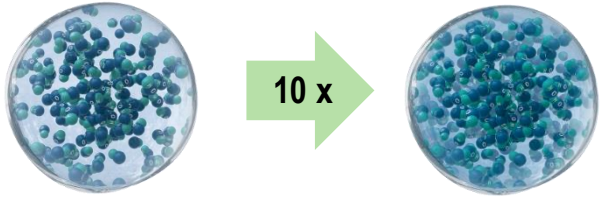
How does it work?

nanoe™ X reaches the substance.

OH radicals take away H from the substance, and it becomes denatured.

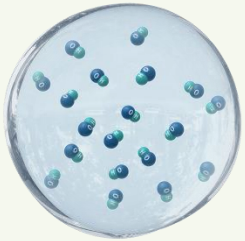
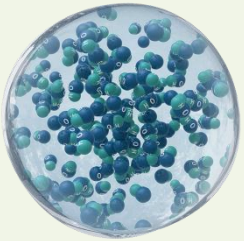
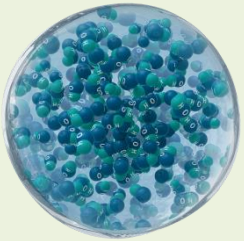
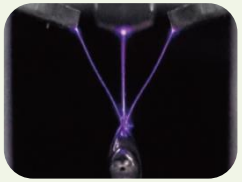
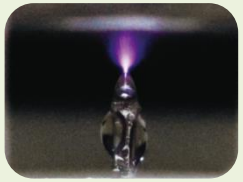
OH radicals transform hydrogen taken away into water

nanoe™ X	nanoe™ X Mark 2
480 OH radical (bil/sec)	4,800 OH radical (bil/sec)



nanoe X Generator Mark 2

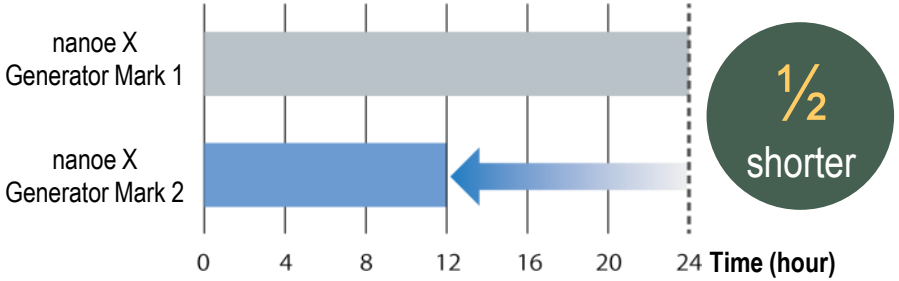
Doubled OH radicals

nanoe™	nanoe™ X	
	Generator Mark 1	Generator Mark 2
0.48 Trillion OH radicals/sec	10x times 4.8 Trillion OH radicals/sec	2x times 9.6 Trillion OH radicals/sec
		
		
Corona discharge	Multi-leader discharge	Multi-leader discharge [Optimized discharge control]

Deodorise and inhibit pollutant by half time

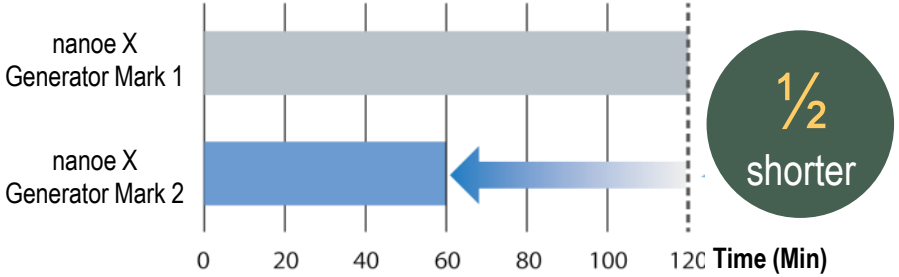
Pollen inhibition test

(Required time to inhibit 99% of pollen)



Deodorisation test

(Required time to reduce aged-related body odour intensity by 1.8 levels)



Built-in WLAN

Panasonic

Smart WLAN networking on the day of purchase

Wireless LAN

Built-in WLAN means there's no need to install an optional WLAN adapter.
Remote control of air conditioner settings is also easy.

Built-in WLAN

Smart Air Conditioner Control

Remotely control your comfort from just one mobile device.

Panasonic

Panasonic Comfort Cloud App

24hours Smart Heating & Cooling

You can operate the air conditioner when you're away and check room temperature with your smartphone.
In the winter, to prevent a vacant summer house becoming freezing cold, you can start heating it from home.

When you're at home

Control of heating and cooling as desired with a smartphone

When you're away

In the winter, remote control of heating in an unoccupied summer house

Intuitive Voice Control

Google Assistant and Amazon Alexa control compatibility lets you control the air conditioner with your voice.

Compatible with*

works with Google Assistant

WORKS WITH alexa

New CZ-WKE – Product overview

Panasonic

■ Indoor Unit Design

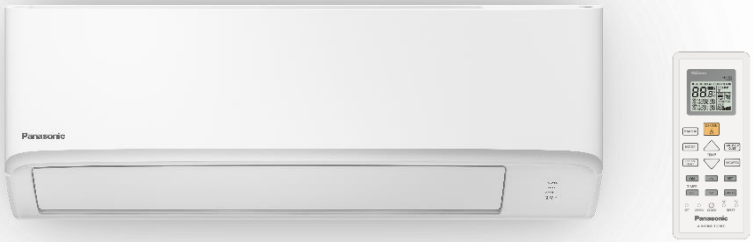
CS-CZWKE**

A+ 4.3 SCOP

R32 REFRIGERANT

AEROWINGS

Wireless LAN*1



* Matt white.

Model		CS-CZ25WKE	CS-CZ35WKE
Capacity		2.5 kW	3.5 kW
Dimension	Indoor unit	290 x 779 x 209 mm	
	Outdoor unit	622 x 824 x 299 mm	
ErP rank		**A++ / A+**	

Easy Installation & Servicing

NEW

- New chassis and parts designed for easier installation
- Compact 779 mm wide indoor unit design

Smart Control (Optional adaptor required*1)

- Comfort Cloud for remote control
- Google Assistant and Amazon Alexa compatibility

Energy Saving

High SCOP rating of **4.3**

NEW

Comfort

AEROWINGS for more comfortable cooling

NEW

AEROWINGS

Powerful Heating

Heating Possible at -25 °C

Super Quiet

Low operation noise of just 20 dB in the Low mode (in heating)

*1 Required optional WLAN adapter (CZ-TACG1)

CZ-WKE – New features

Panasonic

1 Easy Installation & Servicing

NEW

New structure for easier installation and servicing. Installation requires fewer steps and less time.

2 Higher SCOP: 4.3

NEW

CZ series models boast high energy-efficiency with a SCOP rating of 4.3, which places them in the industry's top class of energy savers (in the standard model class).

3 Shower Air Flow (AEROWINGS)

NEW

Big twin flaps concentrate airflow to deliver cool air across a room and up to walls that showers down gently for comfortable cooling.

AEROWINGS

4 Heating Possible at -25°C

NEW

Heating is possible even when the outside temperature is -25°C.
This means reliable heating even in the middle of winter.

CZ-WKE – High heating capacity and new design

Panasonic

High heating capacity

Effective control of refrigerant with expansion valves has further improved heating capacity. Heating is possible even when the outside temperature is -25° C.

Heating down to **-25** °C

New super-compact design

New super compact design – **only** **779mm** width!

Ideal to install in narrow spaces or above the door

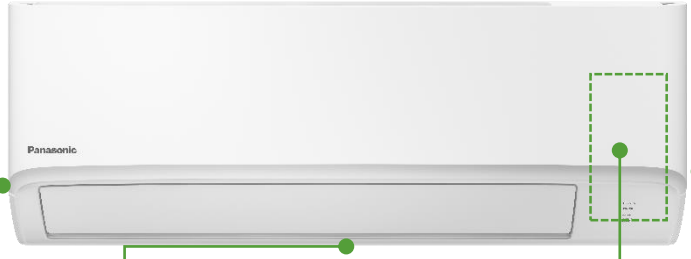
CZ-WKE - Easy installation

Panasonic

Thanks to advanced improvements, installation time has been dramatically decreased.

Installation Plate

Stronger and solid,
even the thickness 0.5mm.



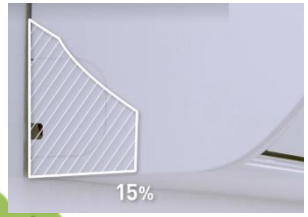
Built-in Support Holder

Sufficient work space between the panel and the body

Piping Storage

15 % Larger*

*Comparison with conventional model



Screw Holders for Uneven Surface

Easy to neat installation

*Not compulsory
*Screws not provided.

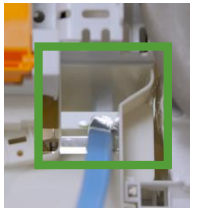
Network Adapter Storage

Features a dedicated space for the network adapter. Enables easy installation and hides the adapter for
a neat look

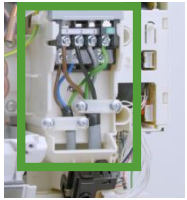
* Only applicable with models without built-in network adapter

Wire Insertion

2 wire inserts combined into 1 for extra convenience when inserting wires



Bigger work space for easier wire connection



https://www.youtube.com/watch?v=qr0OQGUP9hY

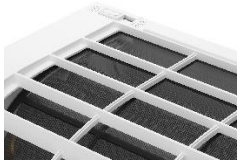
CZ-WKE - Easy maintenance

Panasonic

Improved shape of parts, assembly method, etc., for easier servicing

Front Grille Removal

Slider Locks
Easy to unlock / lock

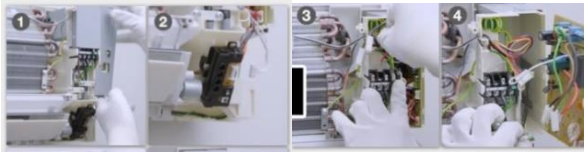


One-piece Front Grille
Easy removal

Easier and faster removal

PCB Removal

Simple steps for PCB removal



Remove control board cover | Disconnect connector from indicator | Disconnect all connectors | Pull out main PCB

Cross Flow Fan Replacement

Easy removal and installation

Piping Inspection

Easy visibility

Wider piping space

Drain Hose Inspection

Easier access for drain hose inspection

https://www.youtube.com/watch?v=qr0OQGUP9hY

Full video – Easy installation and maintenance

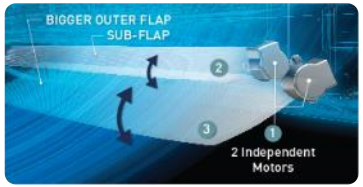
Panasonic

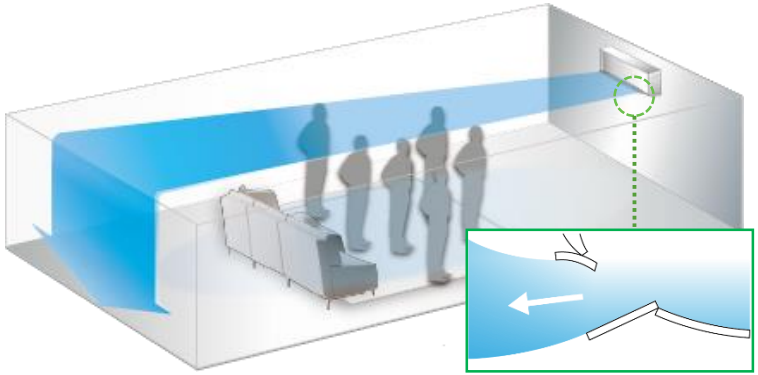
https://www.youtube.com/watch?v=VU38QrwEv4A

Concentrated Airflow for More Comfortable Cooling

AEROWINGS

There are now two flaps to enable finer control of air flow direction.

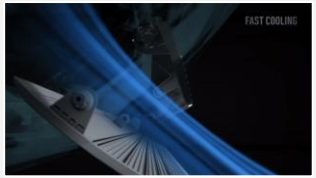




Big Twin Flap

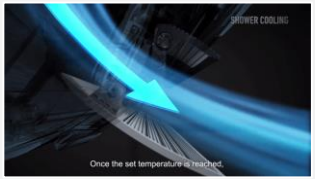
Fast Cooling

AEROWINGS twin flaps direct concentrated airflow downwards to cool you rapidly.



Shower Cooling

Shower air flow quickly spreads cool air across a room and up to the walls, and then it showers down gently.



Panasonic

Panasonic Comfort Cloud and Voice Control

Internet Control

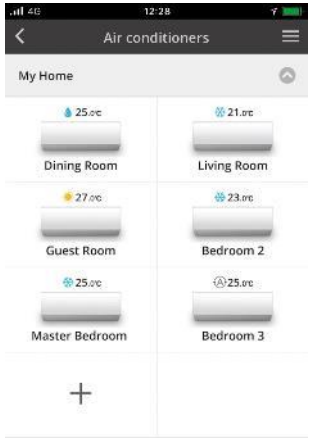
Panasonic

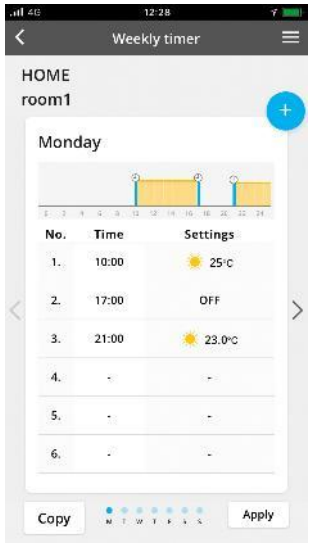
Panasonic Comfort Cloud

Control up to 200 units from anytime, anywhere.

Panasonic

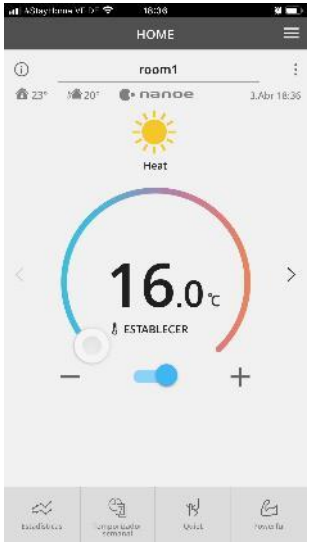
1 Smart Control

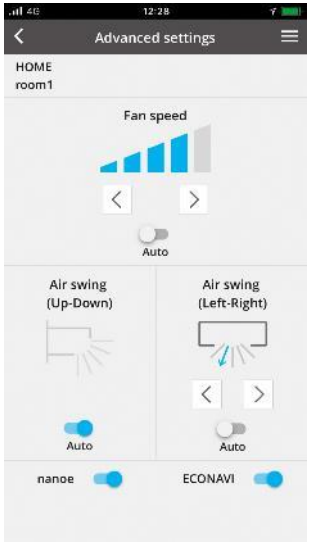




- Up to 20 units per 10 locations
- Transform multiple remote controller in 1 device
- Manage multiple units at once
- Set weekly timers (can be done for multiple units)

2 Smart Comfort





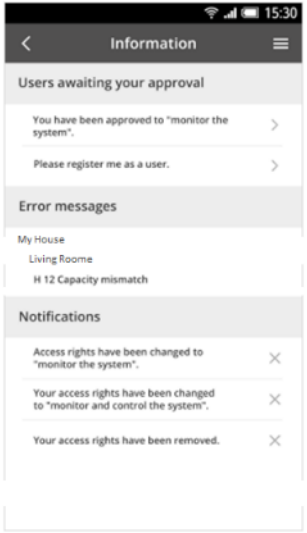
- Adjust set temperature
- Activate nanoeX and other functions

Panasonic Comfort Cloud

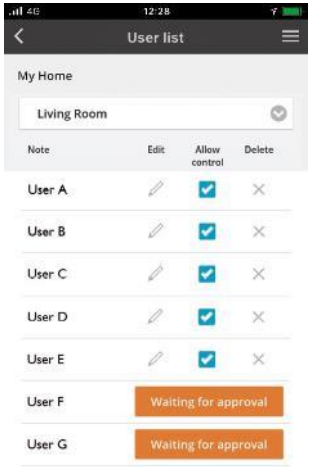
3 Smart Efficiency

- Energy usage analysis
- Energy usage comparison

4 Smart Assist



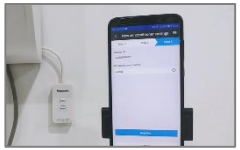
- Error codes notification



- Adjust set temperature
- Activate nanoeX in advance

RAC Comfort Cloud connection process

Panasonic

	Done by Professional Installer	Done by End User			
	Adapter Installation	App download	Step1 Connection Settings	Step2 Device Password Settings	Step3 New Air Conditioner Settings
			WLAN connection	Air conditioner registration	Air conditioner naming
Built-in WLAN Models	**Not required!**	Download Comfort Cloud	AC and WLAN connection with remote control buttons	Password setting	Name the device
Use of an External Adapter	**Installation work required!**	Download Comfort Cloud	Connect the adapter and WLAN using adapter buttons	Set the password after inputting the adapter ID * ID is written on **the box** and **the adapter wire**.	 Name the device

Voice Control

Panasonic

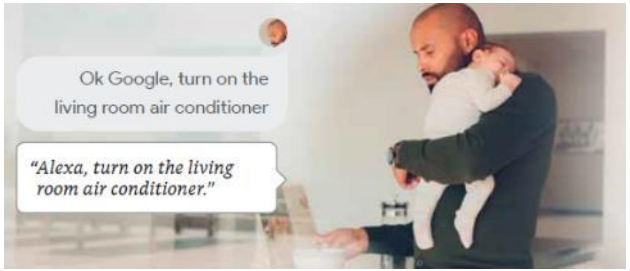
Operate the air with your voice

works with Google Assistant

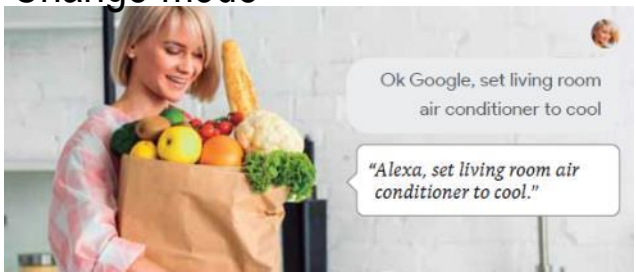
WORKS WITH alexa

Panasonic Comfort Cloud is compatible with the main Voice Assistants in the market

1 Turn ON/OFF air conditioner



2 Change mode



3 Adjust temperature

4 Check current status

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Internet and Voice control functions

Panasonic

	Function		Alexa	Google Assistant	Comfort Cloud	Remote control	Notes
Smart Control	ON/OFF		✓	✓	✓	✓	
	Control multiple units				✓		
	Set up and manage routines		✓	✓			
Smart Comfort	Temperature	Specify Temperature	✓	✓	✓	✓	Ex. Set at 20 °C
		Relative Adjustment	✓	✓	✓	✓	Ex. 2 °C higher/lower
	Mode	Cooling	✓	✓	✓	✓	
		Heating	✓	✓	✓	✓	
		Auto	✓	✓	✓	✓	
	nanoe X				✓	✓	
Smart efficiency	Analyse energy usage patterns				✓		
	Comparte historical usage				✓		
Smart Assist	Receive error notifications				✓		
	Assign multiple users		✓	✓	✓	✓	
	Status Check	Overall	X	✓	✓	✓	
		ON/OFF	✓	✓	✓	✓	
		Mode	✓	✓	✓	✓	
		Temperature	✓	✓	✓	✓	

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Panasonic

Accessories

Connectivity

CZ-TACG1
WLAN adapter for Internet control

CZ-CAPRA1
RAC interface for integration into P-link

PAW-AC-KNX-1i
Interface for KNX integration

PAW-AC-MBS-1
Interface for Modbus integration

PAW-AC-BAC-1
Interface for Bacnet integration

PAW-SMSCONTROL
Control of Etherea by SMS (additional SIM required)

PAW-AC-DIO
Dry contact ON/OFF Interface for wall type

PAW-AC-HEAT-1
PCB for heating only for Etherea, Cassette and Duct

Accessories

Panasonic

Optional Wall remote controller

CZ-RD514C
Wall remote controller for Wall mounted and Floor console

CZ-RD514CP
Wall remote controller for Cassette 60:60

Optional Wireless controller

CZ-RD511D
Sky remote control for Duct.
Cable length of the receiver: 2m

Other accessories

CZ-MA1P
CZ-MA2P
CZ-MA3P
Pipe reducer (necessary for some multi combinations)

CZ-BT20EW
Panel for cassette 60:60

Panasonic

heating & cooling solutions