


# Panasonic®

- 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 August 2025.
- Due to printing considerations, actual colours may vary slightly from those shown.
- All graphics are provided solely for the purpose of illustrating a point.

 Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for damage or deterioration in safety due to usage of other refrigerant.

Authorised Dealer


OCNZ\_R32 PAC\_CAT\_2025\_V1

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**Panasonic Heating & Cooling Solutions**

Global site: [aircon.panasonic.com](http://aircon.panasonic.com)  
 PRO Club: [panasonicproclub.global](http://panasonicproclub.global)

 [airconpanasonicglobal](https://www.youtube.com/airconpanasonicglobal)

## R32 RESIDENTIAL & LIGHT COMMERCIAL AIR CONDITIONING

Scan for more Panasonic Air Conditioning information.  
 Connect with your smartphone using this QR code.

HVAC Site



Product information

PRO Club



Technical documents



QUALITY AIR FOR LIFE

# The new Panasonic NX series

## The next generation is now

The new CONEX remote controller (CZ-RTC6WBLW2/CZ-RTC6BLW2/CZ-RTC6WZ2/CZ-RTC6Z2) multiplies the benefits of a standard nanoe™X installation, letting you create clean, healthy air in your living spaces 24 hours a day, anytime, anywhere. Choose your quality of air - a new era in air conditioning solutions is here.

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**24-hour<sup>\*1</sup>**  
nanoe™ X Air purification

**nanoe™ X**

**24-hour nanoe™ X Air Purification**  
Unlike the general filters found in an air purifier, nanoe™ X achieves a powerful inhibiting effect on not only airborne, but also adhered bacteria and viruses.

P. 6-9

**Make comfort more accessible with CONEX**  
CONEX goes beyond simple remote control to combine sophistication with simplicity, offering IoT integration that connects directly to a variety of apps for next-generation solutions.

P. 14-17

**Maximum versatility adaptive ducted unit**  
Designed to deliver flexibility, performance, and comfort, Panasonic introduces an industry-leading horizontal/vertical design featuring powerful 150Pa static pressure in a compact unit.

P. 22-25 / P. 28-31

Note: PF3 range only.

# Product Line-up

		Cooling Capacity	2.5 kW	3.6 kW	5.0 kW	6.0 kW	7.1 kW	10.0 kW	12.5 kW	14.0 kW	16.0 kW	18.0 kW	20.0 kW	22.4 kW			
For Medium Sized Project	Indoor Unit	Ducted	NX Series Splittable Ducted High Static Pressure Model Page 22-27 for 6.0kW to 22.4kW 				S-60PE4R	S-71PE4R	S-100PE4R	S-125PE4R	S-140PE4R	S-160PE4R/RA	S-180PE4R	S-200PE4R	S-224PE4R		
		NX Series Adaptive Ducted High Static Pressure Model Page 28-31 			S-3650PF3E	S-3650PF3E	S-6071PF3E	S-6071PF3E	S-1014PF3E	S-1014PF3E	S-1014PF3E						
		Cassette	NX Series 4-WAY Cassette * Panel is provided as an option (CZ-KPU3H/CZ-KPU3A) Page 34-37 				S-6071PU3E	S-6071PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E						
		NX Series Low Profile Mini Cassette Page 38-39 		S-25PY3E	S-36PY3E	S-50PY3E	S-60PY3E										
				Under Ceiling	NX Series Page 40-43 				S-6071PT3E	S-6071PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E				
				Wall Mounted	NX Series Page 44-45 	S-25PK4R		S-50PK4R		S-71PK4R	S-100PK4R*1						
														*1 3-Phase is connected to U-100PZ4R8. The different-diameter-tube joint must be procured locally for installation.			
For Medium Sized Project	Outdoor Unit	NX Series	R32 Deluxe Model Page 20-21 					U-71PZH3R5	U-100PZH3R5	U-125PZH3R5	U-140PZH3R5	U-160PZH3R5	U-180PZH3R5	U-200PZH3R8*2	U-224PZH3R8*2		
		R32 Compact Model Page 20-21 	U-25PZ3R5	U-36PZ3R5	U-50PZ3R5	U-60PZ4R5	U-71PZ4R5	U-100PZ4R5	U-125PZ4R5	U-140PZ4R5					*2 3 Phase		
For Small Sized Project	Indoor Unit	Ducted	Ultra Slim Ducted Page 32-33 	CS-Z25UD3RAW	CS-Z35UD3RAW	CS-Z50UD3RAW	CS-Z60UD3RAW										
		Floor Console	Page 46-47 	CS-Z25UFRAW	CS-Z35UFRAW	CS-Z50UFRAW											
	Outdoor Unit	R32 Model		CU-Z25UBRA	CU-Z35UBRA	CU-Z50UBRA	CU-Z60UBRA										
For Wall Mounted Only	Outdoor Unit	Wall Mounted Model	Page 44-45 	U-RZ25AKR		U-RZ50AKR		U-RZ71AKR	U-RZ95AKR	U-100PZ4R8*2							

# 24-hour nanoe™ X Air Purification\*1

nanoe™ X



Technical information

nanoe™ X works to inhibit longer-living, adhered bacteria and viruses. The CONEX remote control (CZ-RTC6WBLW2/CZ-RTC6BLW2/CZ-RTC6WZ2/CZ-RTC6Z2) gives you access to your air conditioner anywhere, anytime, so you can turn nanoe™ X on even while you're out and enjoy 24-hour quality air in your home.

**Airborne Viruses**

Last up to 3 hours

**Glass surface**

Virus lifespan up to 4 days

**Adhered Viruses**

Last up to 2-7 days

**Fabrics**

Virus lifespan up to 2 days

**Wood**

Virus lifespan up to 2 days

\*1 The nanoe™ X mode can be run independently from cooling or heating mode, and needs to be on for the 24 hour air purification to function.

## nanoe™ X Device Evolution

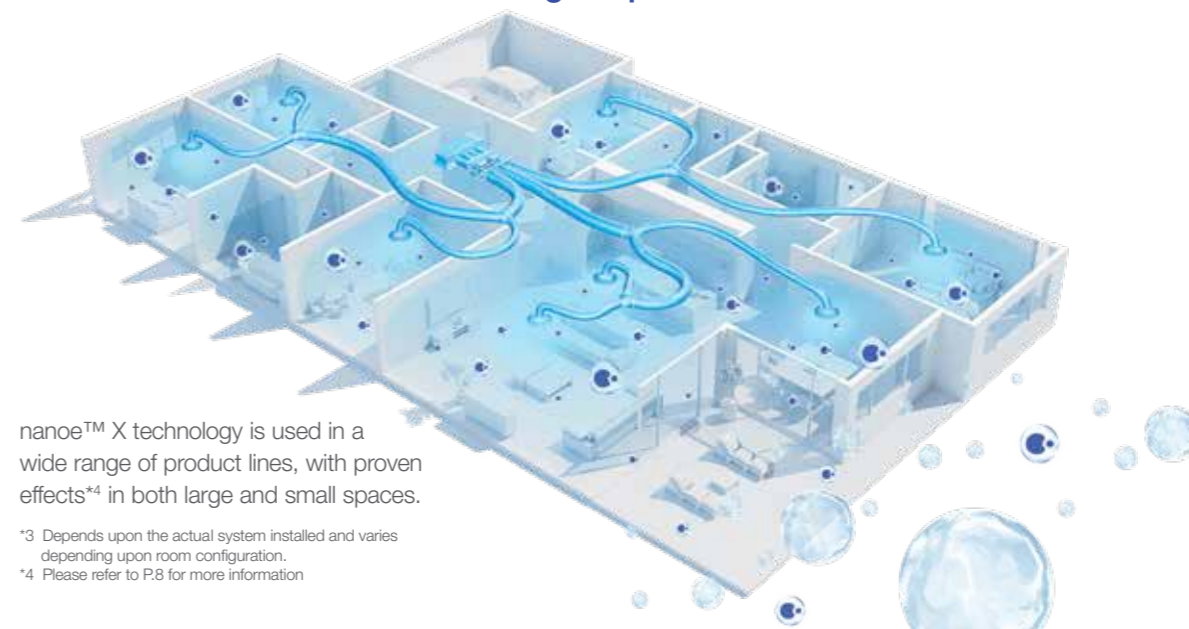
Dramatically increased release of hydroxyl radicals and making the high concentration of nanoe™ X in the space. The latest device, nanoe™ X Generator Mark 3, can be used in large spaces of more than 100 m<sup>2</sup> with greater effectiveness.

nanoe™ X	nanoe™ X Generator Mark 1	nanoe™ X Generator Mark 2	nanoe™ X Generator Mark 3
	10x times	20x times	100x times
Hydroxyl radicals			
0.48 Trillion*2 hydroxyl radicals/sec	4.8 Trillion*2 hydroxyl radicals/sec	9.6 Trillion*2 hydroxyl radicals/sec	48 Trillion*2 hydroxyl radicals/sec
Device status			
	Electrostatic atomisation Multi-leader discharge		Electrostatic atomisation Circular discharge

\*2 Measured using the ESR method (amount of hydroxyl radicals immediately after release from the generator. (Source: Panasonic internal research))



## nanoe™ X works even in larger spaces\*3

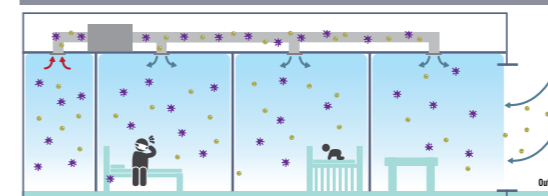


nanoe™ X technology is used in a wide range of product lines, with proven effects\*4 in both large and small spaces.

\*3 Depends upon the actual system installed and varies depending upon room configuration.

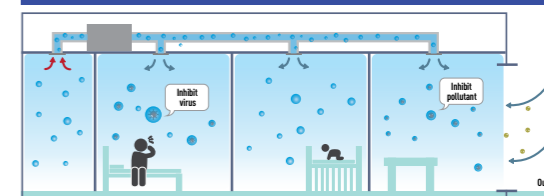
\*4 Please refer to P.8 for more information

### Standard ducted air conditioning system without nanoe™ X



Viruses or bacteria carried by a room's occupants, as well as external pollutants from open windows, may actually be circulated around a home by conventional air conditioning.

### Panasonic ducted air conditioning system with nanoe™ X



With a nanoe™ X-equipped ducted unit, it's not only viruses and bacteria that are circulated, the ducted unit itself produces a massive 9.6 trillion hydroxyl radicals per second which are delivered to rooms throughout the house, inhibiting viruses and bacteria.

## 24hr nanoe™ X comfort, wherever you are, anywhere, anytime

Get 24 hr Quality Air for you and your loved ones by turning nanoe™ X on using Panasonic Comfort Cloud\*5 even when you're out, and enjoying clean air when you're at home. nanoe™ X functions in both cooling and heating modes and is maintenance-free, helping you keep your costs down with cleaner air.

**Clean air independently when you are away  
(Fan Mode + nanoe™ X ON)**

**Comfort and Clean air when you are at home  
(Cooling or Heating Mode + nanoe™ X ON)**

**Only at 70W/Hour\*6**  
Low energy consumption with fan mode 70W per hour for a single unit.

**Maintenance-Free**  
No maintenance required for nanoe™ X generator device.

\*5 Wireless LAN Remote Control for Internet Connection required optional network adaptor. Indoor temperature display and some special function are not available through the App for some models.

\*6 Energy consumption may vary depending on models and the external static pressure.



## Verification tests for nanoe™ X effects in large spaces

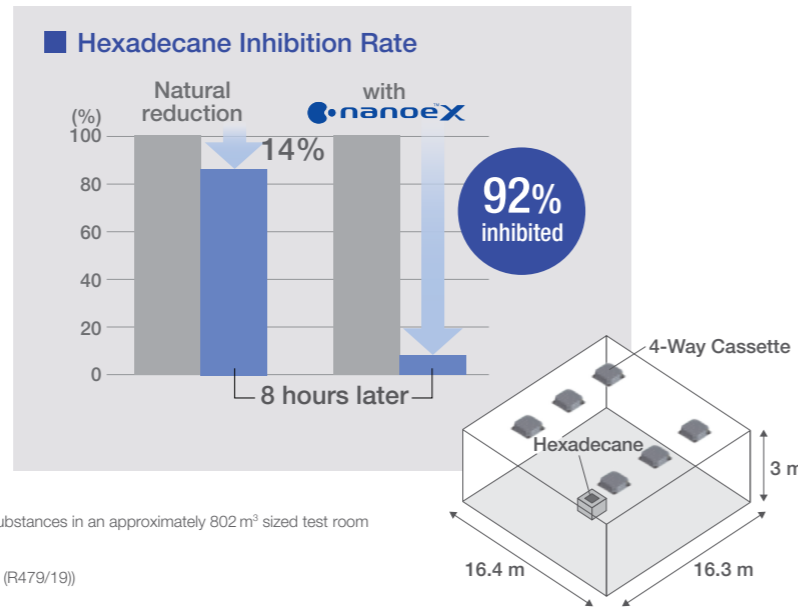


Hazardous substances

### The nanoe™ X inhibited hexadecane, a chemical contained in PM2.5 (267m<sup>2</sup>)

3rd party

A third-party certification organization SIRIM Berhad (SIRIM)<sup>\*1</sup>, conducted the performance experiment using a 4-Way Cassette equipped with a nanoe™ X device to inhibit hexadecane<sup>\*2</sup>, a chemical contained in PM2.5.



<sup>\*1</sup> SIRIM is a premier industrial research and technology organisation in Malaysia, a wholly-owned company of the Malaysian Government under the Ministry of International Trade and Industry (MITI).

<sup>\*2</sup> Hexadecane is a hazardous substance contained in gasoline and diesel exhaust gas.

Testing method: Measured the amount of attached organic substances in an approximately 802 m<sup>3</sup> sized test room  
 Inhibition method: nanoe™ X Generator Mark 1 released  
 Test substance: Hexadecane  
 Test result: Broken down 92% in 8 hours (ETRC257/16/1402 (R479/19))



odours

### The nanoe™ X reduced the odours adhering to fibres such as curtains and carpets (139m<sup>2</sup>)

3rd party

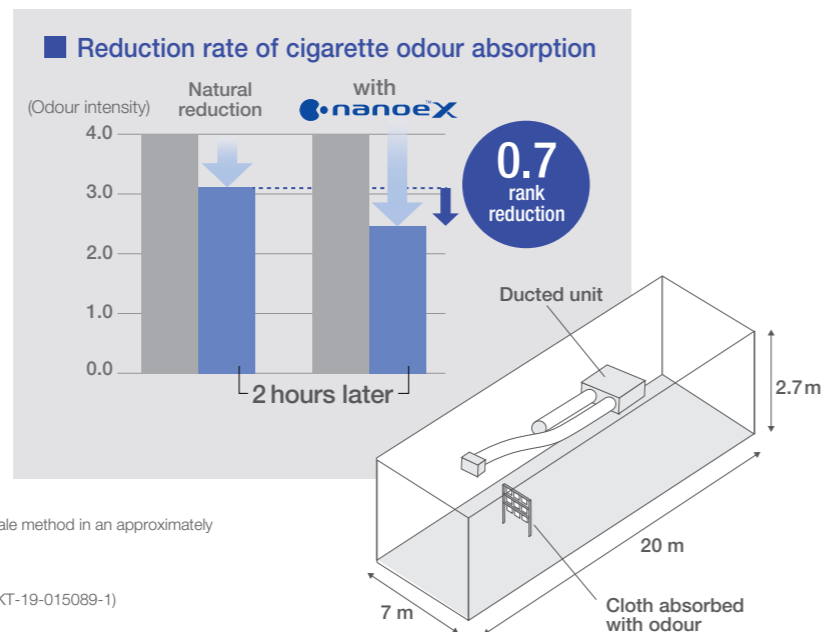
#### Cigarette smoke odour

##### Results

Compared to natural reduction, the nanoe™ X blast reduced the odour intensity by more than approximately 0.7 after two hours.

##### Testing organization

KAKEN TEST CENTER General Incorporated Foundation in Japan, international testing institute.

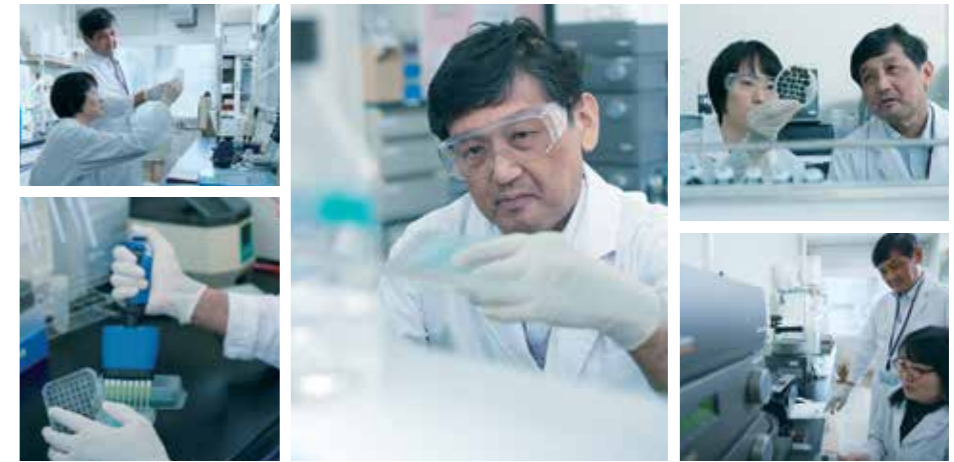


Testing method: Verified using the six-level odour intensity scale method in an approximately 378 m<sup>3</sup> sized test room  
 Inhibition method: nanoe™ X Generator Mark 2 released  
 Test substance: Surface-attached cigarette smoke odour  
 Test result: Odour intensity reduced by 0.7 levels in 2 hours (KT-19-015089-1)

## The effects of nanoe™ X are recognised by experts in each field



**Professor Masafumi Mukamoto**  
 Osaka Prefecture University  
 Veterinary Infectious Disease Studies

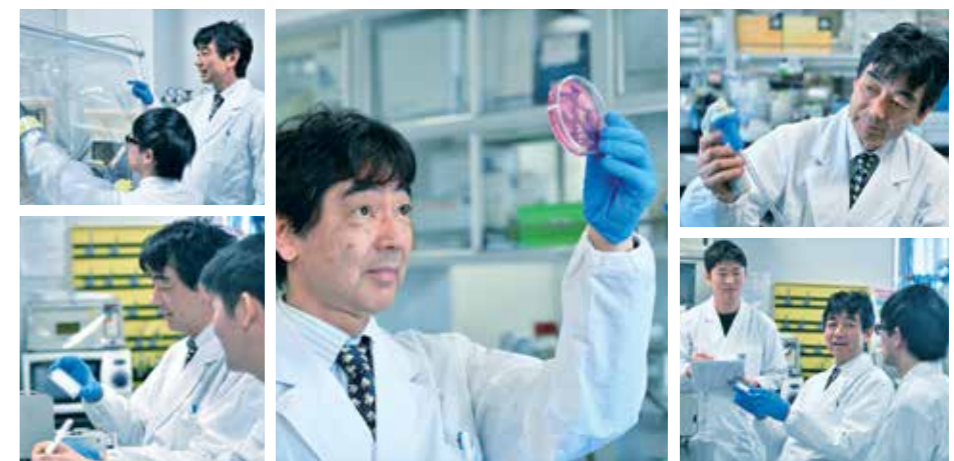


Various types of moulds enter houses along with people and air. Even if preventive action is taken in our everyday lives, it is often very difficult to inhibit the growth of mould, especially in humid environments. With nanoe™ X, we have experimental results<sup>\*3\*4</sup> that show we can inhibit the growth of the types of mould and bacteria commonly found in various places in the house.

## Hope for the creation of more comfortable spaces for those who have problems with asthma or atopic dermatitis



**Professor Masahiro Sakaguchi**  
 Azabu University  
 School of Veterinary Medicine  
 Laboratory of Veterinary Microbiology I



We have experimental results that show nanoe™ X is capable of inhibiting allergens, such as pollen and dust mites. It is important to take precautions against the allergens that we inadvertently inhale in our daily lives. As nanoe™ X is effective in inhibiting invisible allergens, we can expect it will create a cleaner environment. As the safety of nanoe™ X has also been verified, nanoe™ X gives peace of mind to families with small children.

<sup>\*3</sup> Experimental results show that nanoe™ X is effective in inhibiting the growth of the following types of mould and bacteria commonly found in homes:  
 Mould: Trichophyton, Cladosporium, Malassezia furfur, Sporothrix schenckii, Exophiala jeanselmei, Absidia corymbifera, Rhodotorula rubra, Neurospora sitophila, Schizophyllum commune  
 Bacteria: Methicillin-resistant Staphylococcus aureus (MRSA), Listeria monocytogenes, Bacillus subtilis, Mycobacterium smegmatis, Nocardia asteroides, Neisseria gonorrhoeae, Salmonella enterica subsp. Enterica, Haemophilus influenzae, Campylobacter jejuni.  
<sup>\*4</sup> This verification was designed to generate basic research data on the effects of nanoe™ X on the mould and bacteria in laboratory conditions different from those found in living spaces. It was not designed to evaluate product performance.

# Provide a New Gateway that Creates New Value for the Air Conditioning Business

Panasonic utilises advanced IoT technology and cloud service to provide new values that go beyond just cooling and heating solutions.



Employee



Biz Owner



Owner's family



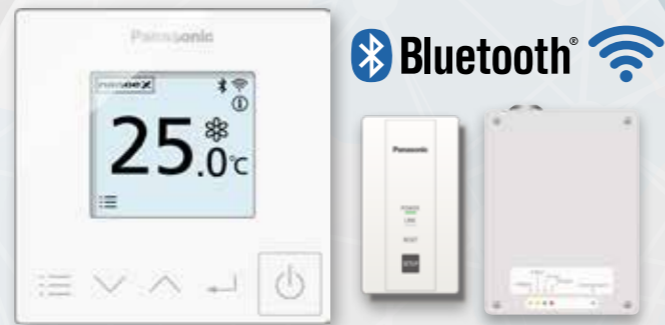
Shop Owner



Bldg. Owner



House Owner



## Controller/Adaptor

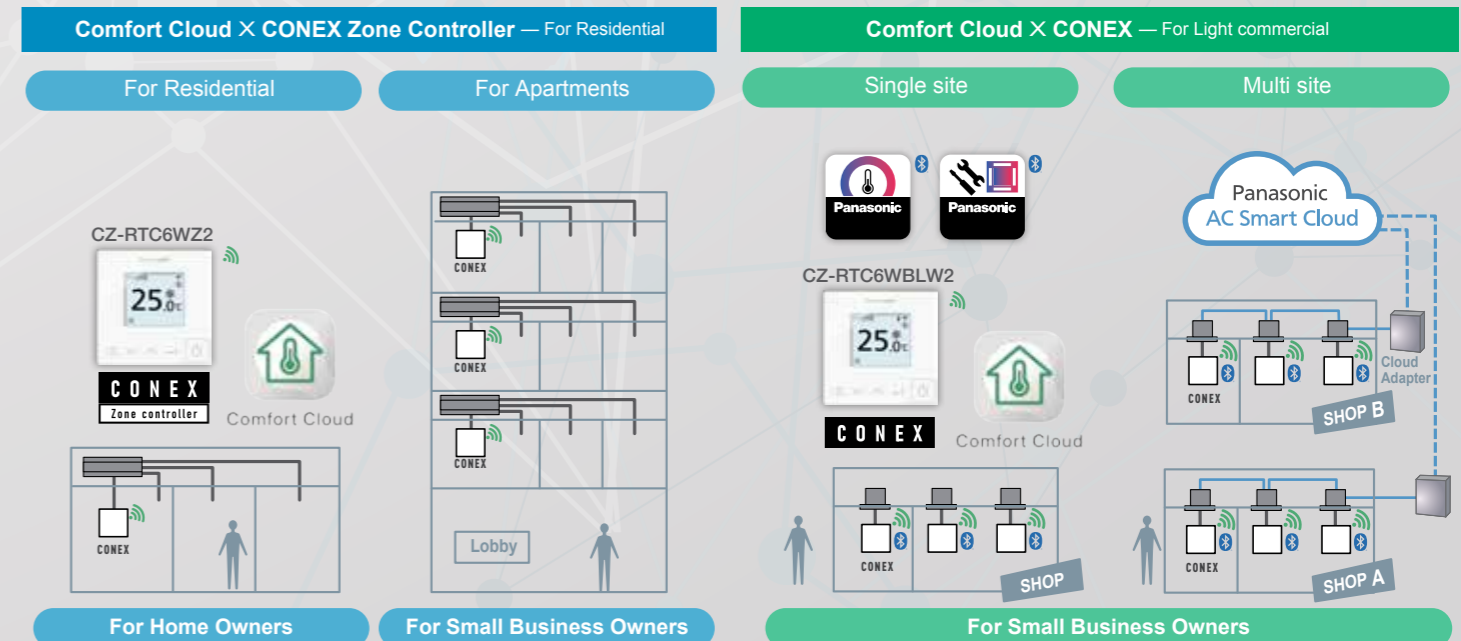


Administrator



## Panasonic IoT Solution (Remote Controllers & App)


Delivering new value with heating and cooling and air quality solutions.




\* If owners have a multisite business, they can also use Smart Cloud for total management.




**Pre-Cool Your Office Before Arriving**




To enjoy the most comfortable day at work, pre-cool it before reaching and be greeted with a cool and pleasant office.




**Conveniently Turn All OFF/ON Easily**





Never have to worry about individually switching OFF/ON your air conditioner units. With a tap, you can turn all your air conditioner OFF/ON.




**Purifies Your Office with nanoe™ X**



With the Comfort Cloud App, you can easily turn on the nanoe™ mode anytime, anywhere.

**Statistics**



**Individual Comfort and Energy Saving**  
Airflow Volume Control

The damper opening can be controlled with the Comfort Cloud app. Adjust the air volume conveniently according to your daily life.




The living room damper opening is increased.


For daily naps, reduce the air volume so that it doesn't get too cold.

**Auto-optimised Comfort for Your Lifestyle**  
Weekly Timer


Able to set 6 timers per day of the week. Realise optimal control day & night for your lifestyle with timers.




Pre-cool 30 minutes before going to bed, living zone off 30 minutes later.





Cool your bedroom on weekend mornings to suit your oversleep.




**Purifies Your Room with nanoe™ X**  
24hr Clean Air




When you go out, clean the air with the nanoe™ mode. Pre-cool the living zone according to the time you return home.


**Zone Status**



**Statistics**



**Requirements for Connecting with Panasonic Comfort Cloud App**




**External Adaptor, Remote Controller Network**

CZ-CAPWFC2

**Other Hardware Requirements\***

Router - Internet - Smartphone (Required 2.4GHz band WLAN network)

\*Purchase and subscribe separately

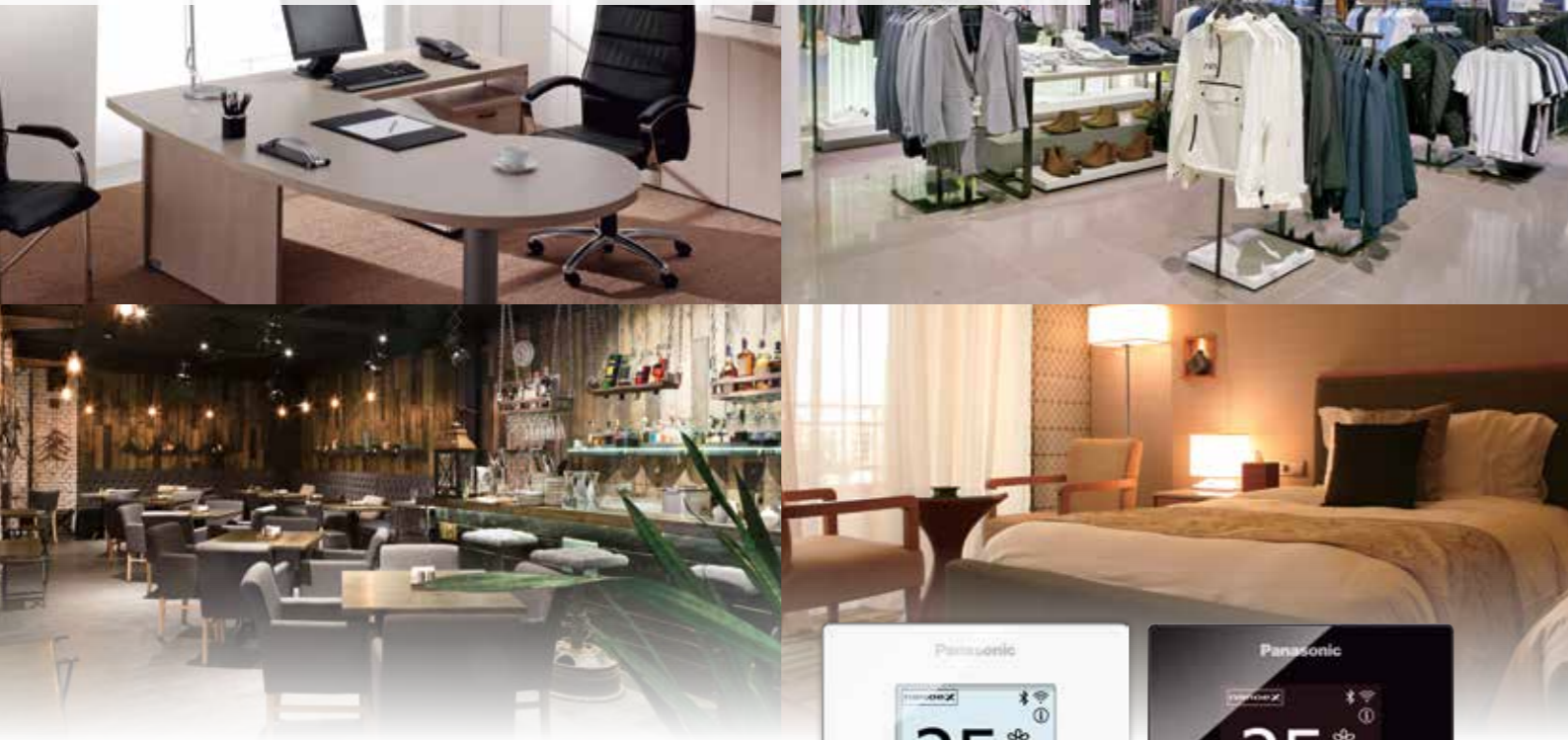


**Download Free App**

Panasonic Comfort Cloud app

# Smart comfort with CONEX

CONEX goes beyond simple remote control to combine sophistication with simplicity, offering IoT integration that connects directly to a variety of apps for next-generation solutions.



**CONEX**

## Simple and sophisticated design in-and-out

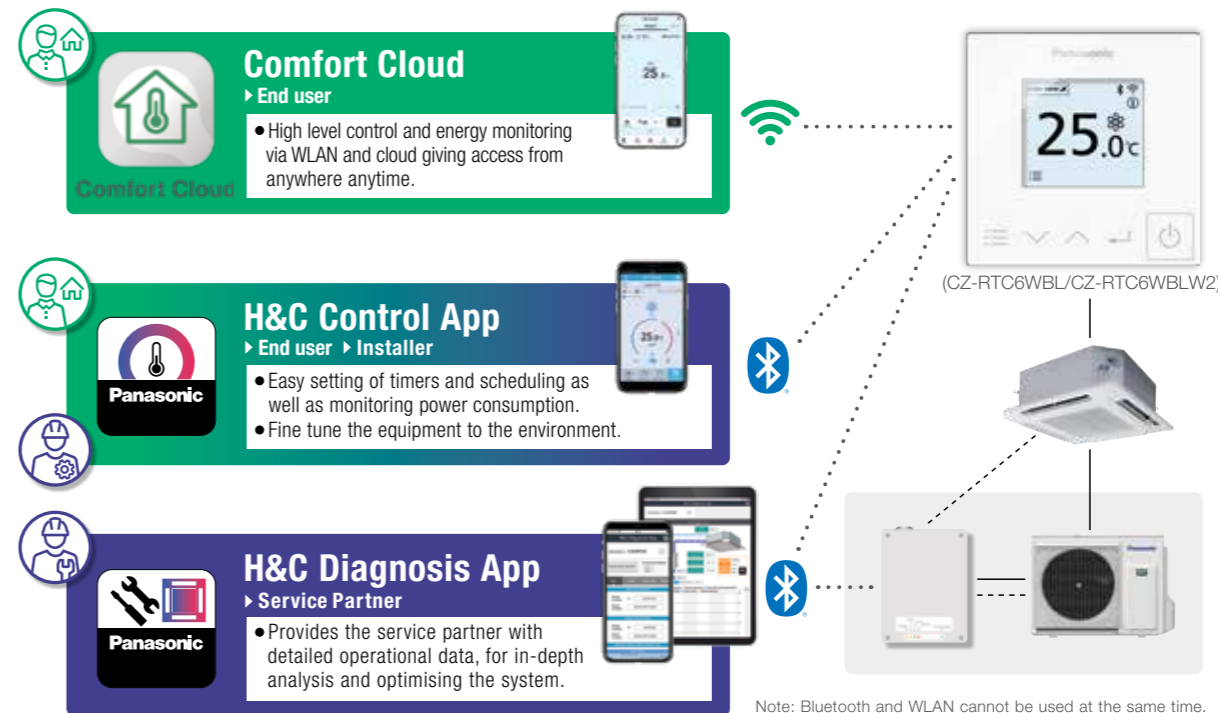
User friendly interface with stylish design measuring just 86 x 86 mm, CONEX is an extremely compact remote controller which looks great in any room.

## Easy control and access for end users, installers, and service partners with just one remote

User-friendly day-to-day operation for end users, simplified set up for installers, and convenient after-sales service access for service partners - all with one remote control.



## A next-generation remote control solution optimised for usability, whatever your needs



Note: Can be used with new NX series only.

Note: Bluetooth and WLAN cannot be used at the same time.

## True-comfort for end user- Comfort Cloud App

With Comfort Cloud, even when you are out, at anytime, you can maintain air quality as you please.

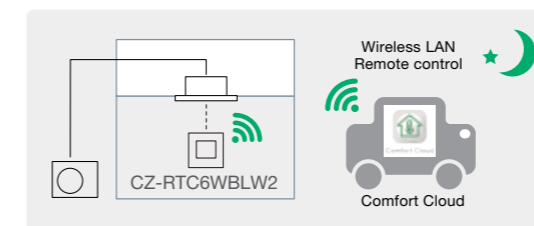


**For restaurant owners**  
Remote control makes 24-hr nanoe™ X air purification\*1 in restaurants a reality, even when they're closed.



**For shop owners**  
Air conditioning before opening and give visitors a more comfortable experience.

**For boutique hotel owners**  
Air conditioning before your guests arrive and give them the welcome they deserve.



\*1 The nanoe™ X mode can be run independently from cooling or heating mode, and needs to be on for the 24 hour air purification to function.

Note: Product images not to scale.

## True-comfort for end user and installer – H&C Control App

H&C Control App makes complex initial set-up easy and allows you to respond swiftly to clients' requests via Bluetooth using a smartphone or tablet.



### Advantages

<p><b>Comfort day-to day operations</b></p> <p>It's now simpler than ever for end users to further customise settings to meet their needs and perform operations including basic settings.</p>	<p><b>Intuitive operation for easy configuration</b></p> <p>Simplified initial controller configuration together with easy access to comprehensive settings including weekly timer and maintenance.</p>
<p><b>Straightforward suggestions to clients</b></p> <p>Share a single screen with your customer and together tailor, everything to meet their needs, from basic setup to weekly timers, all in real time.</p>	<p><b>Quicker configuration for multiple controllers</b></p> <p>Save time with templates - Copy weekly timers and settings to multiple controllers.</p>



## True-comfort for service partners – H&C Diagnosis App

The H&C Diagnosis App allows users to intuitively browse current stats and information about an air conditioner via Bluetooth® using a smartphone or tablet and without the need to use a PC.



### Advantages

<p><b>Acquire diagnostic information from both outside and inside</b></p> <p>Outdoor diagnosis is now possible via a new service checker interface<sup>*1</sup>. With CONEX, operation status can be checked and failure can be diagnosed from indoors too. The information you need is now available via both indoor and outdoor units even when site access may be difficult for either indoor or outdoor unit.</p> <p><small>*1 Available as a spare part, compatible with new NX series only.</small></p>	<p><b>Acquire the information you need intuitively and quickly</b></p> <p>Easy access to real-time service parameters and service checker data allows for more accurate repairs. Actual real-time operation data can be toggled between system and refrigerant circuit views, and previously recorded data can be viewed in the history.</p> <p>A comprehensive error code table and guide gives details of error codes and how to handle them.</p>
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# Next Generation One-touch Control, Anytime, Anywhere

Air conditioning for each zone anytime, anywhere according to your needs. Enabled by the fusion of Panasonic's IoT technology and cloud service.



## Comfortable Zone Air Conditioning with Stress-free Operation



### Individual comfort

#### •Airflow volume control

The damper opening can be controlled with the Comfort Cloud App. Easily adjust airflow volume according to your lifestyle.



### Auto optimised comfort for your lifestyle

#### •Weekly timer

You can set 6 timers per day. Use timers to enjoy optimal control day and night to match your lifestyle.



### Enable comfort for whole family

#### •Target temperature control

The temp targeted zone can be switched easily according to how you and your family spend time, making the whole family comfortable.

## Manage Up to 8 Zones with an Advanced Zone Control System



Product movie

**Ducted Air Conditioner**

**Intuitive Control with Comfort Cloud App**  
Each family member can control home AC from multiple devices

**Comfort Cloud**  
Compatible Device and Browsers. Check on the relative app store for supported OS versions.

**Zone controller CZ-RTC6WZ2**  
Thanks to built-in WLAN RC, set up is easy

**Zone Control Box CZ-CAPZ1M (Multiple opening step model) CZ-CAPZ1S (ON/OFF model)**

**Remote Temperature Sensor CZ-CSRC3 (optional)**

•The following equipment is required for use  
Damper and Damper Motor (locally supplied)  
/Transformer (locally supplied)

### Zone Remote Controller

Spec & dimensions

Model No.	CZ-RTC6WZ2
Dimensions	(H) 86 mm x (W) 86 mm x (D) 25 mm
Weight	0.10 kg
Temperature / Humidity range	0°C to 40°C / 20% to 80% (No condensation) • Indoor use only.
Power Source	DC16 V (supplied from indoor unit)
Wireless LAN standard	IEEE 802.11 b/g/n
Frequency range	2.4 GHz band
Encryption	WPA™ / WPA2™ / WPA3™
OS version on the mobile device for CFC	Check on the relative app store for supported OS versions.

### Zone Control Box

Spec & dimensions

Model No.	CZ-CAPZ1S/CZ-CAPZ1M
Dimensions	(H) 250 mm x (W) 342 mm x (D) 70 mm
Weight	1.9 kg

### Remote Temperature Sensor

Spec & dimensions

Model No.	CZ-CSRC3
Dimensions	(H) 120 mm x (W) 70 mm x (D) 17 mm
Weight	70 g
Temperature / Humidity range	0°C to 40°C / 20% to 80% (No condensation) • Indoor use only.

### Usable indoor units

Zone Controller can be connected with 3.6 kW to 22.4 kW Ducted (PF3 and PE4) Indoors and VRF Ducted units (M1, E1, E2, E1R, F2, F3 and Z1).

\*Connectable to selected Panasonic ducted models only, please consult Panasonic for more details.

Series	PE4	PF3
Capacity	6.0 kW-22.4 kW	3.6 kW-14.0 kW

Note: Product images not to scale.

\*\* iOS is the name of the OS of Apple Inc. iOS is a trademark or registered trademark of Cisco in the US and other countries where it is licensed for use. Apple and the Apple logo are trademarks of Apple Inc. that are registered in the US and other countries. App Store is a service mark of Apple Inc. \*\* Android™, Google Play™ and Google Play™ logos are registered trademarks of Google LLC.



# All side discharge R32 outdoor units

Panasonic's new range of outdoor units feature intuitive technology and thoughtful engineering. The two innovative ranges of R32 units, both Deluxe and Compact, feature energy and space saving technologies, permitting installation in even the tightest and most demanding conditions.



## More Efficient, Less Space

Whilst maintaining its strong power, new R32 outdoor units get smaller. This enables them to fit into tighter spaces. Thus you can install these units in a vast variety of areas.

All side discharge from 6.0kw to 22.4kW

R32 Deluxe



Industry-leading Small Body with All 1-fan Models

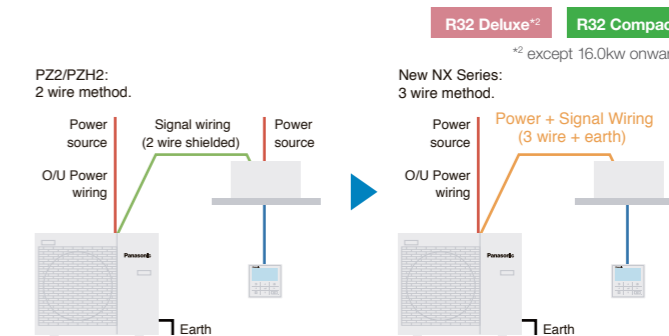
R32 Compact



\*1 3 phase

## NX Series - Refurbishing Made Easy

The new NX series has been developed to use 3-wired communication, making it simple to replace the three wire systems often used in older installations.



## Next Generation Refrigerant: R32

R32, an innovative refrigerant in all ways imaginable: it is easy to install, and compared to most other refrigerants it has a much lower environmental impact and saves energy.

- Low Global Warming Potential (GWP): 75% less impact on global warming vs R410A
- Energy Efficient: Higher energy efficiency than R410A
- Easy Installation: This refrigerant is 100% pure which makes it easier to recycle and reuse.

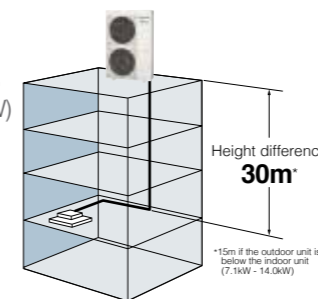
## Other Advanced Technology

### Increased Piping Length for Greater Design Flexibility

R32 Deluxe

Adaptable to various building types and sizes

Max. piping length :  
 30m (7.1kW),  
 85m (10.0kW-14.0kW),  
 100m (16.0kW, 18.0kW)  
 60m (20.0kW, 22.4kW)



### Product Quality and Safety

R32 Compact

R32 Deluxe

All Panasonic air conditioners undergo strict quality and safety tests before sale. This rigorous process includes obtaining all necessary Safety Approvals, to ensure that all air conditioners we sell are not only built to the highest market standards, but are also completely safe.



### Quiet Mode

R32 Compact

R32 Deluxe

Quiet mode reduces outdoor operating sound by 2dB. External input signal is also available.

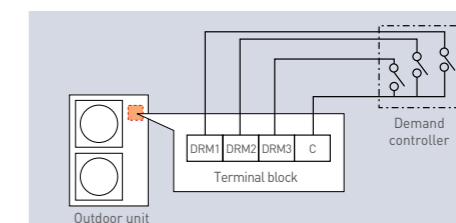
### Demand Response Compliant

R32 Compact

R32 Deluxe

Panasonic air conditioners are equipped with a Demand Response Enabling Device (DRED) which complies to both AS 4755 and AS 3823. Panasonic continues to design and develop products that are tailored to local needs and requirements.

The Equipment Energy Efficiency (E3) program has been supporting the development of DRED standards for air-conditioners which should comply with AS 4755. The functionality will be required for all installations in the very near future



Demand control terminal is available to control 0-50-75-100% of capacities.

**NEW** Indoor Unit

High Static Pressure

# Splittable Ducted

High static and large airflow ducted for exceptional installation flexibility.

**nanoe™ X**  
Generator Mark3  
nanoe™ X as a standard

-   
Self-diagnosing Function
-   
Automatic Fan Operation
-   
Dry Mode
-   
Automatic Restart Function
-   
DC Motor

HSP Ducted



Product movie

S-60PE4R  
S-71PE4R  
S-100PE4R



S-125PE4R  
S-140PE4R  
S-160PE4R  
S-160PE4RA



CZ-RTC6WBL\*1 CZ-RTC6WZ2\*\*2 CZ-RTC5B CZ-RTC4A CZ-CAPWFC2  
CZ-RTC6WBLW2\*1

\*1 Black models are also available.  
\*2 Zone Controller for residential use.  
Note: Product image not to scale.

## Technical focus

- Easy installation with splittable chassis design
- Accurate temperature control to reduce cold drafts during operation
- Design flexibility thanks to high static pressure and large air volume
- Configurable air temperature control

## Splittable unit makes installation easier in the roof space

- 1 Easy to carry and install, with a separated heat exchanger and fan casing.
- 2 The pre-installed oval duct saves you cost and effort.
- 3 Only 10 screws are required for assembly.



## More compact than ever - significantly easier installation with split design



## Easy Assembly Steps

Assembly takes three easy steps, even in limited spaces.

- 1 Install the fan to the heat exchanger and tighten the screws and bolts.
  - Heat Exchanger: 400 mm height, 478 mm width, 32kg weight
  - Fan: 19kg weight
- 2 Assemble the connectors.
  - Connector: 475 mm width, 10kg weight
- 3 Install the chassis and tighten the screws and bolts.
  - Fan Casing: 400 mm height, 10kg weight

Note: Above images are for the 16.0 kW model.

## Clean air. Ducts that deliver

Testing has verified that even with three bends and a total length of up to 10m, the effectiveness of nanoe™ X is maintained right through the duct to deliver clean, fresh air where it's needed.



Bend once Bend twice Bend three times

As the experiments demonstrate, even with a total ductwork length of up to 10m, effectiveness of nanoe™ X is maintained.

Note: PF3 and PE4 (16.0kW and below) ranges only.

## Equipped with nanoe X Generator Mark3

- Charged water particles contain hydroxyl (OH) radicals that work to provide improved quality air
- Discharging device generates 48 trillion of OH radicals
- No need to clean or replace the device (maintenance free)

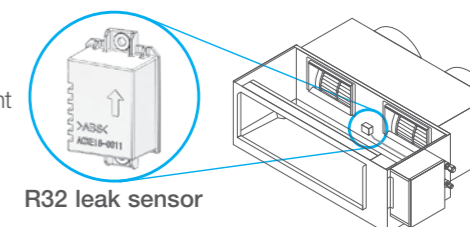


## Installation in underfloor spaces is made possible by the R32 sensor

Circulates the air to prevent the refrigerant from accumulating in one place and reaching a high concentration when refrigerant leak is detected.

Built-in R32 sensor monitors refrigerant leak risks ensuring a safe and secure environment.

\* Equipped only on S-160PE4RA



R32 leak sensor

# Indoor Unit: High Static Pressure Ducted

## High Static Pressure Duct R32 Deluxe model

Capacity		7.1kW		10.0kW		12.5kW		14.0kW		16.0kW		
Model Name	Indoor Unit	S-71PE4R	S-100PE4R	S-100PE4R	S-125PE4R	S-125PE4R	S-140PE4R	S-140PE4R	S-160PE4R	S-160PE4R	S-160PE4RA	
	Outdoor Unit	U-71PZH3R5	U-100PZH3R5	U-100PZH3R8	U-125PZH3R5	U-125PZH3R8	U-140PZH3R5	U-140PZH3R8	U-160PZH3R5	U-160PZH3R8	U-160PZH3R8	
Cooling capacity :	kW	7.1 (2.2 - 9.0)	10.0 (3.1 - 12.5)	10.0 (3.1 - 12.5)	12.5 (3.2 - 14.0)	12.5 (3.2 - 14.0)	14.0 (3.3 - 16.0)	14.0 (3.3 - 16.0)	16.0 (5.4-18.0)	16.0 (5.4-18.0)	16.0 (5.4-18.0)	
		8.0 (2.05 - 9.0)	12.5 (3.8 - 14.0)	12.5 (3.8 - 14.0)	14.0 (3.6 - 16.0)	14.0 (3.6 - 16.0)	16.0 (3.3 - 18.0)	16.0 (3.3 - 18.0)	18.0 (5.5-20.0)	18.0 (5.5-20.0)	18.0 (5.5-20.0)	
Heating capacity :	BTU/h	24,200 (7,500 - 30,700)	34,100 (10,600 - 42,700)	34,100 (10,600 - 42,700)	42,700 (10,900 - 47,800)	42,700 (10,900 - 47,800)	47,800 (11,300 - 54,600)	47,800 (11,300 - 54,600)	54,600 (18,400-61,400)	54,600 (18,400-61,400)	54,600 (18,400-61,400)	
		27,300 (7,000 - 30,700)	42,700 (12,800 - 47,800)	42,700 (12,800 - 47,800)	47,800 (12,300 - 54,600)	47,800 (12,300 - 54,600)	54,600 (11,300 - 61,400)	54,600 (11,300 - 61,400)	61,400 (18,800-68,200)	61,400 (18,800-68,200)	61,400 (18,800-68,200)	
EER : COP	W/W	3.55 : 4.17	3.79 : 3.99	3.79 : 3.99	3.79 : 4.24	3.79 : 4.24	3.37 : 4.10	3.37 : 4.10	3.30 : 3.75	3.30 : 3.75	3.30 : 3.75	
COP@H2 condition	W/W	4.08	3.93	3.93	4.16	4.16	4.04	4.04	3.69	3.69	3.69	
Total power input	kW	2.00 : 1.92	2.64 : 3.13	2.64 : 3.10	3.30 : 3.30	3.30 : 3.30	4.15 : 3.90	4.15 : 3.90	4.85 : 4.80	4.85 : 4.80	4.85 : 4.80	
		5.33 : 5.13	5.26 : 5.35	5.26 : 5.35	5.53 : 5.47	5.53 : 5.47	5.05 : 4.86	5.05 : 4.86	4.76 : 5.11	4.76 : 5.11	4.76 : 5.11	
TCSPF : HSPF	Residential	Average Climate	4.66 : 4.51	4.70 : 4.50	4.70 : 4.50	4.93 : 4.69	4.93 : 4.69	4.56 : 4.36	4.56 : 4.36	4.24 : 4.28	4.24 : 4.28	4.24 : 4.28
		Cold Climate	4.77 : 4.02	4.78 : 3.95	4.78 : 3.95	4.71 : 3.86	4.71 : 3.86	4.36 : 3.71	4.36 : 3.71	4.36 : 3.71	4.36 : 3.71	4.36 : 3.71
		Hot Climate	6.09 : 5.15	5.77 : 5.43	5.77 : 5.43	6.14 : 5.55	6.14 : 5.55	5.60 : 4.84	5.60 : 4.84	5.34 : 5.16	5.34 : 5.16	5.34 : 5.16
	Commercial	Average Climate	6.21 : 4.80	5.96 : 4.95	5.96 : 4.95	6.46 : 5.12	6.46 : 5.12	5.90 : 4.54	5.90 : 4.54	5.40 : 4.69	5.40 : 4.69	5.40 : 4.69
		Hot Climate	6.86 : 4.35	6.40 : 4.40	6.40 : 4.40	7.00 : 4.60	7.00 : 4.60	6.44 : 4.14	6.44 : 4.14	5.90 : 4.14	5.90 : 4.14	5.90 : 4.14
		Cold Climate	6.86 : 4.35	6.40 : 4.40	6.40 : 4.40	7.00 : 4.60	7.00 : 4.60	6.44 : 4.14	6.44 : 4.14	5.90 : 4.14	5.90 : 4.14	5.90 : 4.14
<b>Indoor Unit</b>		Phase/Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz		
Power source	V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	
Current (rated)	A	1.46 / 1.34   1.46 / 1.34	1.82 / 1.70   1.82 / 1.70	1.82 / 1.70   1.82 / 1.70	1.83 / 1.71   1.83 / 1.71	1.83 / 1.71   1.83 / 1.71	2.61 / 2.47   2.61 / 2.47	2.61 / 2.47   2.61 / 2.47	2.61 / 2.47   2.61 / 2.47	2.61 / 2.47   2.61 / 2.47	2.61 / 2.47   2.61 / 2.47	
Dimension	H x W x D	mm	300 X 1,297 X 877	300 X 1,297 X 877	300 X 1,297 X 877	400 X 1,297 X 949	400 X 1,297 X 949	400 X 1,297 X 949	400 X 1,297 X 949	400 X 1,297 X 949	400 X 1,297 X 949	
Net weight	kg	51	51	51	61	61	61	61	61	61	61	
Air volume (H/M/L)	L/s	500 / 433 / 366 : 500 / 433 / 366	700 / 566 / 483 : 700 / 566 / 483	700 / 566 / 483 : 700 / 566 / 483	833 / 766 / 600 : 833 / 766 / 600	833 / 766 / 600 : 833 / 766 / 600	1,000 / 833 / 700 : 1,000 / 833 / 700	1,000 / 833 / 700 : 1,000 / 833 / 700	1,000 / 833 / 700 : 1,000 / 833 / 700	1,000 / 833 / 700 : 1,000 / 833 / 700	1,000 / 833 / 700 : 1,000 / 833 / 700	
External static pressure	Pa	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	80 (50 - 150)	80 (50 - 150)	80 (50 - 150)	80 (50 - 150)	80 (50 - 150)	
Sound pressure level (H/M/L)	dB(A)	43 / 39 / 35 : 43 / 39 / 35	42 / 37 / 34 : 42 / 37 / 34	42 / 37 / 34 : 42 / 37 / 34	42 / 39 / 34 : 42 / 39 / 34	42 / 39 / 34 : 42 / 39 / 34	45 / 41 / 37 : 45 / 41 / 37	45 / 41 / 37 : 45 / 41 / 37	45 / 41 / 37 : 45 / 41 / 37	45 / 41 / 37 : 45 / 41 / 37	45 / 41 / 37 : 45 / 41 / 37	
Sound power level (H/M/L)	dB	69 / 65 / 61 : 69 / 65 / 61	68 / 63 / 60 : 68 / 63 / 60	68 / 63 / 60 : 68 / 63 / 60	68 / 65 / 60 : 68 / 65 / 60	68 / 65 / 60 : 68 / 65 / 60	71 / 67 / 63 : 71 / 67 / 63	71 / 67 / 63 : 71 / 67 / 63	71 / 67 / 63 : 71 / 67 / 63	71 / 67 / 63 : 71 / 67 / 63	71 / 67 / 63 : 71 / 67 / 63	
Number of fan speeds		5	5	5	5	5	5	5	5	5	5	
Drain piping	mm	VP-25	VP-25	VP-25	VP-25	VP-25	VP-25	VP-25	VP-25	VP-25	VP-25	
<b>Outdoor Unit</b>		Phase/Hz		1 Phase / 50Hz		3 Phase / 50Hz		1 Phase / 50Hz		3 Phase / 50Hz		
Power source	V	230V   240V	230V   240V	400V   415V	230V   240V	400V   415V	230V   240V	400V   415V	230V   240V	400V   415V	230V   240V	
Current (rated)	A	9.65 : 9.30   9.35 : 9.00	12.5 : 14.8   12.0 : 14.2	4.20 : 4.95   4.05 : 4.80	15.8 : 15.8   15.1 : 15.1	19.8 : 18.6   19.0 : 17.9	5.05 : 5.05   4.90 : 4.90	6.35 : 6.00   6.15 : 5.75	22.4 : 22.2   21.5 : 21.3	7.80 : 7.70   7.50 : 7.40	22.4 : 22.2   21.5 : 21.3	
Dimension	H x W x D	mm	996 x 940 x 340	1,416 x 940 x 340	1,416 x 940 x 340	1,416 x 940 x 340	1,416 x 940 x 340	1,416 x 940 x 340	1,500 x 980 x 370	1,500 x 980 x 370	1,500 x 980 x 370	
Net weight	kg	66	99	99	99	99	99	99	117	115	115	
Air volume	L/s	1,016 : 1,000	1,966 : 1,800	1,966 : 1,800	2,083 : 1,866	2,083 : 1,866	2,150 : 1,933	2,733 : 2,733	2,733 : 2,733	2,733 : 2,733	2,733 : 2,733	
Sound pressure level (H)	dB(A)	48 : 50	52 : 52	52 : 52	53 : 53	53 : 53	54 : 54	54 : 54	58 : 60	58 : 60	58 : 60	
Sound power level (H)	dB	64 : 66	68 : 68	68 : 68	69 : 69	69 : 69	70 : 70	70 : 70	76 : 78	76 : 78	76 : 78	
Piping connections	Liquid / Gas	mm	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø19.05 (3/4)	Ø9.52 (3/8) / Ø19.05 (3/4)	Ø9.52 (3/8) / Ø19.05 (3/4)	
Pipe length range	min. - max.	m	5 - 50	5 - 85	5 - 85	5 - 85	5 - 85	5 - 85	5 - 100	5 - 100	5 - 100	
Elevation difference (OU located lower, OU located higher)	m	15, 30	15, 30	15, 30	15, 30	15, 30	15, 30	15, 30	30, 30	30, 30	30, 30	
Maximum chargeless length	m	30	30	30	30	30	30	30	30	30	30	
Refrigerant at shipping / Additional gas amount	g	R32 1,950 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,200 / 45 (g/m)	R32 3,200 / 45 (g/m)	R32 3,200 / 45 (g/m)	
Operating range	°C	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	-15 to 52 : -20 to 24	-15 to 52 : -20 to 24	-15 to 52 : -20 to 24	

## Specifications of R32 Compact Model

Capacity		6.0kW		7.1kW		10.0kW		12.5kW		14.0kW	
Model Name	Indoor Unit	S-60PE4R	S-71PE4R	S-100PE4R	S-100PE4R	S-125PE4R	S-125PE4R	S-140PE4R	S-140PE4R	S-160PE4R	S-160PE4R
	Outdoor Unit	U-60PZ4R5	U-71PZ4R5	U-100PZ4R5	U-100PZ4R8	U-125PZ4R5	U-125PZ4R8	U-140PZ4R5	U-140PZ4R8	U-160PZ4R5	U-160PZ4R8
Cooling capacity :	kW	6.0 (2.0 - 7.1)	7.1 (2.6 - 7.7)	9.5 (3.0 - 11.0)	12.5 (3.2 - 13.5)	12.5 (3.3 - 15.0)	14.0 (3.3 - 16.0)	14.0 (3.3 - 16.0)	14.0 (3.3 - 16.0)	16.0 (5.4-18.0)	16.0 (5.4-18.0)
		6.0 (1.8 - 7.0)	7.1 (2.05 - 8.1)	10.0 (2.7 - 12.0)	12.5 (3.3 - 15.0)	12.5 (3.3 - 15.0)	14.0 (3.3 - 16.0)	14.0 (3.3 - 16.0)	16.0 (5.5-20.0)	16.0 (5.5-20.0)	16.0 (5.5-20.0)
Heating capacity :	BTU/h	20,500 (6,100 - 23,900)	24,200 (8,900 - 26,300)	32,400 (10,200 - 37,500)	34,100 (10,600 - 39,200)	42,700 (10,900 - 47,800)	42,700 (10,900 - 47,800)	47,800 (11,300 - 54,600)	47,800 (11,300 - 54,600)	54,600 (18,400-61,400)	54,600 (18,400-61,400)
		20,500 (6,100 - 23,900)	24,200 (7,000 - 27,600)	34,100 (9,200 - 40,900)	34,100 (10,900 - 47,800)	42,700 (11,300 - 51,200)	42,700 (11,300 - 51,200)	47,800 (11,800 - 54,600)	47,800 (11,800 - 54,600)	54,600 (18,800-68,200)	54,600 (18,800-68,200)
EER : COP	W/W	3.26 : 4.23	3.26 : 4.25	3.17 : 3.57	3.45 : 4.08	3.55 : 4.31	3.55 : 4.31	3.25 : 3.98	3.25 : 3.98	3.25 : 3.98	
COP@H2 condition	W/W	4.12	4.00	3.51	4.00	4.22	4.22	3.91	3.91	3.91	
Total power input	kW	1.84 : 1.42	2.18 : 1.67	3.00 : 2.80	2.90 : 2.45	3.52 : 2.90	3.52 : 2.90	4.31 : 3.52	4.31 : 3.52	4.85 : 4.80	4.85 : 4.80
		4.76 : 5.20	4.55 : 5.11	4.55 : 4.69	5.02 : 4.99	5.05 : 5.12	5.05 : 5.12	4.48 : 4.75	4.48 : 4.75	4.76 : 5.11	4.76 : 5.11
TCSPF : HSPF	Residential	Average Climate	4.26 : 4.51	4.12 : 4.48	4.09 : 3.98	4.49 : 4.40	4.54 : 4.56	4.63 : 4.09	4.63 : 4.09	4.24 : 4.28	4.24 : 4.28
		Cold Climate	4.34 : 3.91	4.20 : 3.87	4.20 : 3.50	4.61 : 3.99	4.63 : 4.09	4.63 : 4.09	4.20 : 3.77	4.20 : 3.77	4.20 : 3.77
		Hot Climate	5.26 : 5.22	4.98 : 5.11	5.00 : 4.76	5.56 : 5.01	5.56 : 5.13	5.56 : 5.13	4.87 : 4.75	4.87 : 4.75	4.87 : 4.75
	Commercial	Average Climate	5.65 : 4.83	5.21 : 4.75	5.19 : 4.37	5.76 : 4.68	5.86 : 4.81	5.86 : 4.81	5.20 : 4.45	5.20 : 4.45	5.20 : 4.45
		Hot Climate	6.09 : 4.29	5.59 : 4.22	5.60 : 3.89	6.25 : 4.30	6.32 : 4.40	6.32 : 4.40	5.58 : 4.06	5.58 : 4.06	5.58 : 4.06
		Cold Climate	6.09 : 4.29	5.59 : 4.22	5.60 : 3.89	6.25 : 4.30	6.32 : 4.40	6.32 : 4.40	5.58 : 4.06	5.58 : 4.06	5.58 : 4.06
<b>Indoor Unit</b>		Phase/Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz	
Power source	V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V
Dimensions	H x W x D	mm	300 x 1,297 x 877	300 x 1,297 x 877	300 x 1,297 x 877	300 x 1,297 x 877	400 x 1,297 x 949	400 x 1,297 x 949	400 x 1,297 x 949	400 x 1,297 x 949	400 x 1,297 x 949
Net weight	kg	51	51	51	51	61	61	61	61	61	61
Air volume (H/M/L)	L/s	366 / 333 / 266 : 366 / 333 / 266	500 / 433 / 366 : 500 / 433 / 366	700 / 566 / 483 : 700 / 566 / 483	700 / 566 / 483 : 700 / 566 / 483	833 / 766 / 600 : 833 / 766 / 600	833 / 766 / 600 : 833 / 766 / 600	1,000 / 833 / 700 : 1,000 / 833 / 700	1,000 / 833 / 700 : 1,000 / 833 / 700	1,000 / 833 / 700 : 1,000 / 833 / 700	1,000 / 833 / 700 : 1,000 / 833 / 700
External static pressure	Pa	80 (10 - 150)	80 (10 - 150)								

# Indoor Unit High Static Pressure Splittable Ducted

High static and large airflow ducted for exceptional installation flexibility.

**nanoe™ X**  
**Generator Mark3**  
nanoe™ X as a standard



S-180PE4R  
S-200PE4R  
S-224PE4R



CZ-RTC6WBL\*1 CZ-RTC6WZ2\*1\*2 CZ-RTC5B CZ-RTC4A CZ-CAPWFC2  
CZ-RTC6WBLW2\*1

\*1 Black models are also available.  
\*2 Zone Controller for residential use.  
Note: Product image not to scale.



## Technical focus

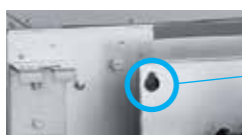
- Easy installation with splittable chassis design
- Max. 200Pa static pressure setting\*1
- Design flexibility thanks to high static pressure and large air volume
- DC motor equipped
- Low power input
- Accurate temperature control to reduce cold drafts during operation
- Configurable air temperature control

\*1 In case of S-224PE4R

## New Ducted Model Key Factors

### Bell Shaped Keyhole for Weight Support

Part of the keyhole is newly designed with a bell shape to reduce the burden of installation. It also enables temporary attachment.



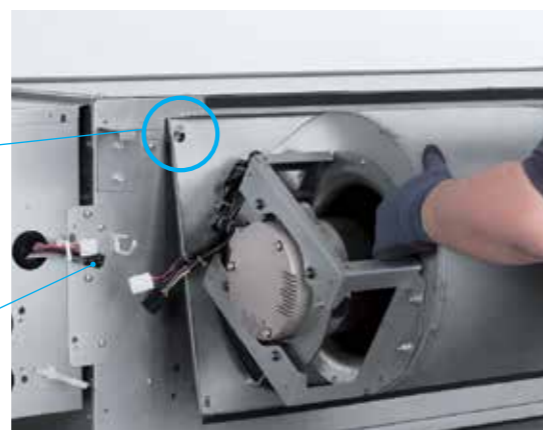
### 2 Wire Connectors for Easy Installation

With only 2 wire connectors, installation has become much easier and faster.



### 12 Bolts & Screws for Easy Assembly

Only 12 screws and bolts need to be attached, allowing for a shorter installation time.



## Easy Assembly Steps

Assembly takes three easy steps, even in limited spaces.

- 1 Install the fan to the heat exchanger and tighten the screws and bolts.
- 2 Assemble the connectors.
- 3 Install the chassis and tighten the screws and bolts.



Note: Above images are for the 22.4kW model.

## Specifications of R32 Deluxe Model **R32**

Capacity		18.0kW		20.0kW		22.4kW		
Model Name	Indoor Unit	S-180PE4R	S-180PE4R	S-200PE4R	S-224PE4R	S-180PE4R	S-200PE4R	
	Outdoor Unit	U-180PZH3R5	U-180PZH3R8	U-200PZH3R8	U-224PZH3R8	U-180PZH3R8	U-200PZH3R8	
Cooling Capacity :	kW	18.0 (5.5-20.0)	18.0 (5.5-20.0)	20.0 (5.7-22.4)	22.4 (5.7-25.0)	18.0 (5.5-20.0)	20.0 (5.7-22.4)	
	Heating Capacity	20.0 (5.5-22.4)	20.0 (5.5-22.4)	22.4 (5.0-25.0)	25.0 (4.9-28.0)	18.0 (5.5-20.0)	20.0 (5.7-22.4)	
EER : COP	W/W	3.20 : 3.75	3.20 : 3.75	3.33 : 3.67	3.09 : 3.52	3.20 : 3.75	3.33 : 3.67	
	COP@H2 condition	W/W	2.9	2.9	2.7	2.6	2.9	2.7
Total power input	Cooling : Heating	kW	5.63 : 5.33	5.63 : 5.33	6.00 : 6.10	7.24 : 7.10	5.63 : 5.33	6.00 : 6.10
	Hot Climate	W/W	4.33 : 4.95	4.33 : 4.95	4.33 : 4.42	4.00 : 4.55	4.33 : 4.95	4.33 : 4.42
TCSPF : HSPF	Residential	Average Climate	3.93 : 4.24	3.93 : 4.24	3.97 : 3.90	3.69 : 3.87	3.93 : 4.24	3.97 : 3.90
		Cold Climate	4.03 : 3.72	4.03 : 3.72	4.05 : 3.45	3.79 : 3.38	4.03 : 3.72	4.05 : 3.45
	Commercial	Hot Climate	4.73 : 4.99	4.73 : 4.99	4.65 : 4.44	4.27 : 4.68	4.73 : 4.99	4.65 : 4.44
		Average Climate	4.76 : 4.58	4.76 : 4.58	4.71 : 4.14	4.31 : 4.29	4.76 : 4.58	4.71 : 4.14
Cold Climate	5.12 : 4.10	5.12 : 4.10	5.01 : 3.74	4.57 : 3.78	5.12 : 4.10	5.01 : 3.74		
<b>Indoor Unit</b>								
Power source	Phase/Hz	1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz		
	V	230V   240V		230V   240V		230V   240V		
Current (rated)	Cooling : Heating	3.30 : 3.30   3.20 : 3.20		3.30 : 3.30   3.20 : 3.20		3.40 : 3.40   3.30 : 3.30		
Dimension	H x W x D	486 x 1456 x 916		486 x 1456 x 916		486 x 1456 x 916		
Net Weight	Indoor	82		83		87		
Air volume (H/M/L)	Cooling : Heating	L/s		L/s		L/s		
		1,202 / 1,052 / 885 : 1,202 / 1,052 / 885		1,202 / 1,052 / 885 : 1,202 / 1,052 / 885		1,402 / 1,202 / 985 : 1,402 / 1,202 / 985		
External static pressure	Pa	60 (100 / 150)		60 (100 / 150)		75 (130 / 200)		
Sound Pressure Level (H/M/L)	Cooling : Heating	dB(A)		dB(A)		dB(A)		
		46 / 44 / 41 : 46 / 44 / 41		46 / 44 / 41 : 46 / 44 / 41		47 / 45 / 42 : 47 / 45 / 42		
Sound Power Level (H/M/L)	Cooling : Heating	dB		dB		dB		
		78 / 76 / 73 : 78 / 76 / 73		78 / 76 / 73 : 78 / 76 / 73		78 / 76 / 73 : 78 / 76 / 73		
Number of fan speeds		3		3		3		
Drain piping	mm	VP-25		VP-25		VP-25		
<b>Outdoor</b>								
Power source	Phase/Hz	1 Phase / 50Hz		3 Phase / 50Hz		3 Phase / 50Hz		
	V	230V   240V		400V   415V		400V   415V		
Current (rated)	Cooling : Heating	A		A		A		
		23.3 : 21.9   22.3 : 21.0		8.00 : 7.50   7.70 : 7.25		8.45 : 8.60   8.15 : 8.30		
Dimension	H x W x D	mm		mm		mm		
		1,500 x 980 x 370		1,500 x 980 x 370		1,500 x 980 x 370		
Net weight	kg	117		115		127		
Air volume	Cooling : Heating	L/s		L/s		L/s		
		2,738 : 2,738		2,738 : 2,738		2,672 : 2,672		
Sound Pressure Level (Silent mode)	Cooling : Heating	dB(A)		dB(A)		dB(A)		
		58 : 60		58 : 60		58 : 62		
Sound Power Level (Silent mode)	Cooling : Heating	dB		dB		dB		
		76 : 78		76 : 78		77 : 81		
Piping Connection	Liquid / Gas	mm		mm		mm		
		Ø9.52 / Ø19.05		Ø9.52 / Ø19.05		Ø12.7 / Ø19.05		
Pipe Length range	min. - max.	m		m		m		
		5 - 100		5 - 100		5 - 100		
Elevation Difference (OU located lower, OU located higher)	m	30, 30		30, 30		30, 30		
Maximum Chargeless length	m	30		30		30		
Refrigerant at shipping / Additional gas amount	g	R32 3,400 / 76.0 (g/m)		R32 3,400 / 76.0 (g/m)		R32 5,200 / 108.0 (g/m)		
Operation Ranges	Cooling : Heating	°C		°C		°C		
		-15 to 46 : -20 to 24		-15 to 52 : -20 to 24		-15 to 52 : -20 to 24		

Notes:  
 • In the case of nanoe X OFF  
 • In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.  
 • AEER and ACOP classification is at 230V(400V) only in accordance with GEMS2019.  
 • TCSPF, HSPF and Total Energy consumption indicate the value of average temperature zone.  
 • Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions  
 \*1 For U-160PZH3R8 \*2 For U-180PZH3R8

# Indoor Unit

High Static Pressure

# Adaptive Ducted

Control all aspects of your environment with exceptional performance and quiet operation. Vertical installation flexibility offers the perfect solution when ceiling heights are restricted.

**nanoe™ X**  
**Generator Mark2**  
nanoe™ X as a standard



- Self-diagnosing Function
- Automatic Fan Operation
- DRY
- Automatic Restart Function
- Built-in Drain Pump
- DC Motor

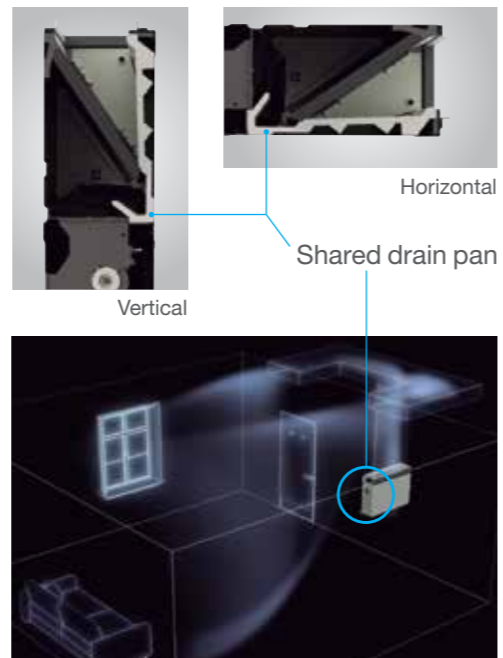
### Technical focus

- Space saving 250mm height
- DC fan motor for variable external static pressure control
- Easy to install and maintain
- Accurate temperature control to reduce cold drafts during operation
- Configurable air temperature control

### Powerful 150Pa ESP in an industry-leading vertical installation

Our groundbreaking drain pan design delivers a ducted unit that can be mounted horizontally or vertically without the need for alterations\*1. Even when ceiling space for ductwork is limited, the slim design and powerful 150Pa static pressure allow for discrete placement away from rooms for total installation flexibility.

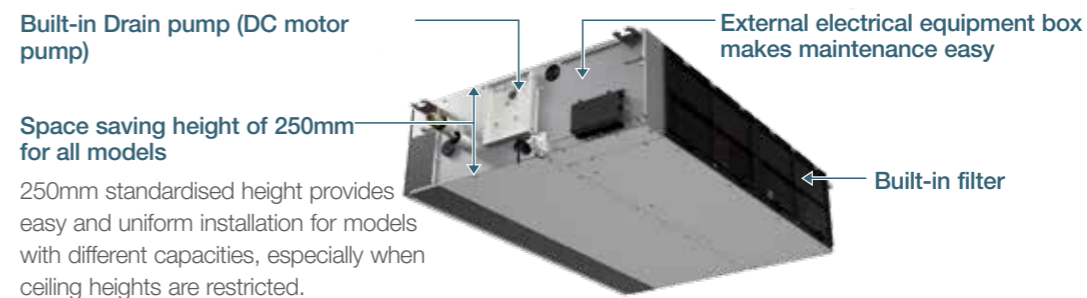
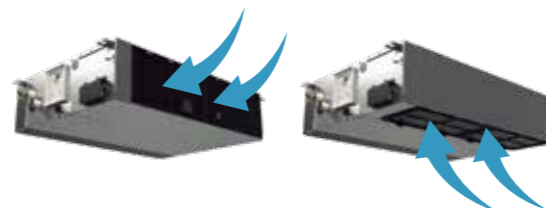
\*1 Please refer to Installation Manual for full details.



Drain pan is shared in both cases horizontal and vertical installation.

### Selectable air inlet position

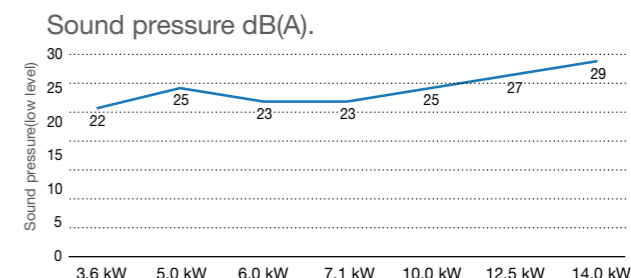
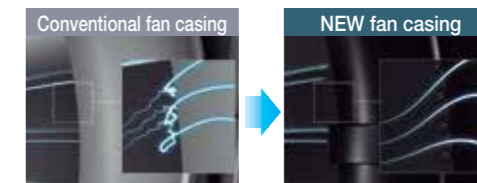
A removable panel allows air inlet position to be adjusted to enable rear or bottom entry, depending on ductwork installation.



### Top-class noise level performance

A proprietary improved casing design realises an even smoother airflow and low noise (22dB - 29dB) operation while effortlessly maintaining enough pressure\*2 to deliver quiet comfort ideal for hotel and guest rooms.

\*2 Operating at 50Pa static pressure in Low fan mode.



Note: Silent operation in full rated capacity.

### Superior air quality



The new ducted models are equipped with nanoe™ X as standard, a unique air quality improvement technology producing twice the amount of hydroxyl radicals compared to previous generations. Combined with the strong static pressure this ensures pristine nanoe™ X air travels unaffected even through multiple duct shapes at lengths of 10m, as well as making them ideal for use in larger spaces.

Note: PF3 and PE4 ranges only.



Based on in-house test result, even with a total ductwork length up to 10m, effectiveness of nanoe™ X is maintained.

# Indoor Unit: High Static Pressure Adaptive Ducted

## Specifications of R32 Deluxe Model R32

Capacity		6.8kW		9.5kW		12.1kW		13.4kW			
Model Name		S-6071PF3E		S-1014PF3E		S-1014PF3E		S-1014PF3E			
		U-71PZH3R5		U-100PZH3R5		U-100PZH3R8		U-125PZH3R5			
Cooling capacity :	kW	6.8 (2.2 - 7.8)		9.5 (3.1 - 11.4)		12.1 (3.2 - 13.6)		13.4 (3.3 - 15.3)			
		7.5 (2.0 - 9.0)		10.8 (3.1 - 13.5)		10.8 (3.1 - 13.5)		13.5 (3.2 - 15.4)			
Heating capacity	BTU/h	23,200 (7,500 - 26,600)		32,400 (10,600 - 38,900)		32,400 (10,600 - 38,900)		41,300 (10,900 - 46,400)			
		25,600 (6,800 - 30,700)		36,800 (10,600 - 46,100)		36,800 (10,600 - 46,100)		46,100 (10,900 - 52,500)			
EER : COP	W/W	3.74 : 4.03		4.17 : 3.97		4.17 : 3.97		3.58 : 3.46			
COP@H2 condition	W/W	2.96		2.90		2.90		2.60			
Total power input	kW	1.82 : 1.86		2.28 : 2.72		2.28 : 2.72		3.38 : 3.90			
		5.40 : 5.49		5.93 : 5.57		5.93 : 5.57		5.37 : 5.32			
TCSPF : HSPF	Residential	Average Climate	4.75 : 4.67		5.21 : 4.70		4.86 : 4.32		4.55 : 4.15		
		Cold Climate	4.82 : 4.13		5.29 : 4.21		5.03 : 3.79		4.72 : 3.65		
	Commercial	Hot Climate	6.02 : 5.54		6.59 : 5.61		5.95 : 5.44		5.49 : 5.05		
		Average Climate	6.25 : 5.08		6.75 : 5.13		6.30 : 4.87		5.74 : 4.58		
Cold Climate	6.76 : 4.56		7.28 : 4.65		7.28 : 4.65		6.88 : 4.31		6.25 : 4.08		
<b>Indoor Unit</b>		Phase/Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz	
Power source	V	230V   240V		230V   240V		230V   240V		230V   240V		230V   240V	
Dimension	H x W x D	mm		250 x 1,000 x 730		250 x 1,400 x 730		250 X 1,400 X 730		250 X 1,400 X 730	
Net weight	Indoor	kg		39		39		39		39	
Air volume (H/M/L)	Cooling : Heating	L/s		350 / 317 / 250 : 350 / 317 / 250		534 / 434 / 350 : 534 / 434 / 350		567 / 484 / 384 : 567 / 484 / 384		601 / 534 / 417 : 601 / 534 / 417	
External static pressure	Pa	30 (10 - 150)		40 (10 - 150)		40 (10 - 150)		50 (10 - 150)		50 (10 - 150)	
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)		30 / 26 / 23 : 30 / 26 / 23		33 / 29 / 25 : 33 / 29 / 25		35 / 31 / 27 : 35 / 31 / 27		39 / 35 / 29 : 39 / 35 / 29	
Sound power level (H/M/L)	Cooling : Heating	dB		53 / 49 / 46 : 53 / 49 / 46		56 / 52 / 48 : 56 / 52 / 48		58 / 54 / 50 : 58 / 54 / 50		62 / 58 / 52 : 62 / 58 / 52	
Number of fan speeds		5		5		5		5		5	
Drain piping	mm	VP-20		VP-20		VP-20		VP-20		VP-20	
<b>Outdoor Unit</b>		Phase/Hz		1 Phase / 50Hz		1 Phase / 50Hz		3 Phase / 50Hz		1 Phase / 50Hz	
Power source	V	230V   240V		230V   240V		400V   415V		230V   240V		400V   415V	
Current (rated)	Cooling : Heating	A		8.60 : 8.60   8.25 : 8.35		10.8 : 12.7   10.3 : 12.2		3.60 : 4.30   3.50 : 4.15		15.8 : 18.2   15.1 : 17.5	
Dimensions	H x W x D	mm		996 x 940 x 340		1,416 x 940 x 340		1,416 x 940 x 340		1,416 x 940 x 340	
Net weight	Indoor	kg		66		99		99		99	
Air volume	Cooling : Heating	L/s		1,018 : 1,002		1,970 : 1,803		2,087 : 1,870		2,154 : 1,937	
Sound pressure level (Silent mode)	Cooling : Heating	dB(A)		48 (46) : 50 (48)		52 (50) : 52 (50)		53 (51) : 53 (51)		54 (52) : 54 (52)	
Sound power level (Silent mode)	Cooling : Heating	dB		64 (62) : 66 (64)		68 (66) : 68 (66)		69 (67) : 69 (67)		70 (68) : 70 (68)	
Piping connections	Liquid / Gas	mm		Ø9.52 / Ø15.88		Ø9.52 / Ø15.88		Ø9.52 / Ø15.88		Ø9.52 / Ø15.88	
Pipe length range	min. - max.	m		5 - 50		5 - 85		5 - 85		5 - 85	
Elevation difference (OU located lower, OU located higher)	m	15, 30		15, 30		15, 30		15, 30		15, 30	
Maximum chargeless length	m	30		30		30		30		30	
Refrigerant at shipping / Additional gas amount	g	R32 1,950 / 45 (g/m)		R32 3,050 / 45 (g/m)		R32 3,050 / 45 (g/m)		R32 3,050 / 45 (g/m)		R32 3,050 / 45 (g/m)	
Operating ranges	Cooling : Heating	°C		-15 to 48 : -20 to 24		-15 to 48 : -20 to 24		-15 to 48 : -20 to 24		-15 to 48 : -20 to 24	

Notes:

- In the case of standard installation (Horizontal installation in the ceiling, rear side air intake)
- In the case of rance X OFF
- In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
- AEER and ACOP classification is at 230V(400V) only in accordance with GEMS2019.
- TCSPF, HSPF and Total Energy consumption indicate the value of average temperature zone.
- Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions
- H : High at setting 5 stage (Level 5), M : Middle at setting 5 stage (Level 3), L : Low at setting 5 stage (Level 1) Noise of L is indicated by the values at FAN mode.

\*1 For piping connection for 6.0kW unit, connect the gas socket tube (Ø12.7-Ø15.88) to the gas tubing side indoor unit and connect the liquid socket tube (Ø6.35-Ø9.52) to the liquid tubing side indoor unit.

\*2 For piping connection for 7.1kW unit, connect the liquid socket tube (Ø6.35-Ø9.52) to the liquid tubing side indoor unit.

## Specifications of R32 Compact Model R32

Capacity		3.4kW		4.6kW		5.7kW		6.8kW		9.5kW		12.1kW		13.4kW		
Model Name		S-3650PF3E		S-3650PF3E		S-6071PF3E		S-6071PF3E		S-1014PF3E		S-1014PF3E		S-1014PF3E		
		U-36PZ3R5		U-50PZ3R5		U-60PZ4R5		U-71PZ4R5		U-100PZ4R5		U-100PZ4R8		U-125PZ4R5		
Cooling capacity :	kW	3.4 (1.3 - 4.0)		4.6 (1.5 - 6.3)		5.7 (1.8 - 7.0)		6.8 (2.2 - 8.1)		9.5 (3.0 - 11.0)		12.1 (3.4 - 13.5)		13.4 (3.2 - 15.0)		
		3.6 (1.3 - 4.6)		5.0 (1.5 - 6.9)		5.7 (1.8 - 7.0)		6.8 (2.2 - 8.1)		9.5 (2.5 - 12.0)		9.5 (3.0 - 13.5)		12.1 (3.1 - 15.0)		
Heating capacity	BTU/h	11,600 (4,400 - 13,600)		15,700 (5,100 - 18,100)		19,400 (6,800 - 21,500)		23,200 (8,900 - 26,300)		32,400 (10,200 - 37,500)		41,300 (11,400 - 46,100)		45,700 (10,900 - 51,200)		
		12,300 (4,400 - 15,700)		17,100 (5,100 - 20,100)		19,400 (6,100 - 23,900)		23,200 (7,500 - 27,600)		32,400 (8,500 - 40,900)		32,400 (10,200 - 46,100)		41,300 (10,400 - 51,200)		
EER : COP	W/W	3.78 : 4.29		3.19 : 3.62		3.45 : 4.04		3.33 : 4.15		3.57 : 4.09		3.40 : 3.56		3.35 : 3.76		
COP@H2 condition	W/W	3.09		3.33		3.97		4.08		4.01		3.98		3.70		
Total power input	kW	0.900 : 0.840		1.44 : 1.38		1.65 : 1.41		2.04 : 1.64		2.66 : 2.32		3.56 : 3.40		4.00 : 3.56		
		5.11 : 5.05		4.67 : 5.09		5.06 : 5.64		4.84 : 5.42		5.12 : 5.33		5.23 : 5.04		4.96 : 5.10		
TCSPF : HSPF	Residential	Average Climate	4.36 : 4.57		4.23 : 4.31		4.60 : 4.71		4.44 : 4.58		4.59 : 4.53		4.51 : 4.52		4.49 : 4.22	
		Cold Climate	4.36 : 4.06		4.29 : 3.79		4.72 : 4.06		4.58 : 3.93		4.68 : 3.96		4.62 : 4.05		4.57 : 3.68	
	Commercial	Hot Climate	5.77 : 5.01		5.22 : 5.13		5.56 : 5.69		5.30 : 5.47		5.63 : 5.42		5.86 : 4.99		5.52 : 5.20	
		Average Climate	5.84 : 4.72		5.96 : 4.69		6.01 : 5.16		5.70 : 4.99		5.89 : 4.97		5.91 : 4.68		6.13 : 4.70	
Cold Climate	6.41 : 4.31		6.69 : 4.19		6.56 : 4.54		6.25 : 4.38		6.35 : 4.40		6.48 : 4.31		6.80 : 4.15			
<b>Indoor Unit</b>		Phase/Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz		
Power source	V	230V   240V		230V   240V		230V   240V		230V   240V		230V   240V		230V   240V		230V   240V		
Dimensions	H x W x D	mm		250 x 800 x 730		250 x 800 x 730		250 x 1,000 x 730		250 x 1,400 x 730		250 x 1,400 x 730		250 x 1,400 x 730		
Net weight	Indoor	kg		25		25		30		39		39		39		
Air volume (H/M/L)	Cooling : Heating	L/s		233 / 217 / 167 : 233 / 217 / 167		267 / 250 / 200 : 267 / 250 / 200		350 / 316 / 250 : 350 / 316 / 250		350 / 316 / 250 : 350 / 316 / 250		533 / 433 / 350 : 533 / 433 / 350		566 / 483 / 383 : 566 / 483 / 383		
External static pressure	Pa	30 (10 - 150)		30 (10 - 150)		30 (10 - 150)		30 (10 - 150)		40 (10 - 150)		40 (10 - 150)		50 (10 - 150)		
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)		30 / 27 / 22 : 30 / 27 / 22		34 / 30 / 25 : 34 / 30 / 25		30 / 26 / 23 : 30 / 26 / 23		33 / 29 / 25 : 33 / 29 / 25		33 / 29 / 25 : 33 / 29 / 25		39 / 35 / 29 : 39 / 35 / 29		
Sound power level (H/M/L)	Cooling : Heating	dB		53 / 50 / 45 : 53 / 50 / 45		57 / 53 / 48 : 57 / 53 / 48		53 / 49 / 46 : 53 / 49 / 46		53 / 49 / 46 : 53 / 49 / 46		56 / 52 / 48 : 56 / 52 / 48		58 / 54 / 50 : 58 / 54 / 50		
Number of fan speeds		5		5		5		5		5		5		5		
Drain piping	mm	VP-20		VP-20		VP-20		VP-20		VP-20		VP-20		VP-20		
<b>Outdoor Unit</b>		Phase/Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz		3 Phase / 50Hz		1 Phase / 50Hz		3 Phase / 50Hz		
Power source	V	230V   240V		230V   240V		230V   240V		230V   240V		400V   415V		230V   240V		400V   415V		
Current (rated)	Cooling : Heating	A		4.00 : 3.80   3.85 : 3.55		6.40 : 6.20   6.10 : 5.95		7.25 : 6.20   6.95 : 5.95		8.95 : 7.20   8.60 : 6.90		11.7 : 10.2   11.2 : 9.75		4.20 : 3.70   4.05 : 3.55		
Dimensions	H x W x D	mm		619 x 824 x 299		619 x 824 x 299		619 x 824 x 299		695 x 875 x 320		795 x 875 x 320		996 x 980 x 370		
Net weight	Indoor	kg		31		35		45		55		80		83		
Air volume	Cooling : Heating	L/s		561 : 567		546 : 532		566 : 550		750 : 766		933 : 883		1,216 : 1,216		
Sound pressure level (Silent mode)	Cooling : Heating	dB(A)		48 (46) : 49 (47)		48 (46) : 49 (47)		47 : 47		47 : 49		54 : 54		55 : 55		
Sound power level (Silent mode)	Cooling : Heating	dB		66 (64) : 67 (65)		66 (64) : 67 (65)		65 : 65		65 : 67		72 : 72		73 : 73		
Piping connections	Liquid / Gas	mm		Ø6.35 / Ø12.7		Ø6.35 / Ø12.7		Ø6.35 / Ø12.7		Ø9.52 / Ø15.88		Ø9.52 / Ø15.88		Ø9.52 / Ø15.88		
Pipe length range	min. - max.	m		3 - 20		3 - 30		3 - 30		3 - 30		5 - 50		5 - 50		
Elevation difference (OU located lower, OU located higher)	m	15, 15		15, 15		15, 15		20, 20		20, 20		15, 30		15, 30		
Maximum chargeless length	m	7.5		10		10		10		10		30		30		
Refrigerant at shipping / Additional gas amount	g	R32 870 / 10 (g/m)		R32 1,140 / 15 (g/m)		R32 1,220 / 15 (g/m)		R32 1,350 / 25 (g/m)		R32 1,930 / 25 (g/m)		R32 2,400 / 45 (g/m)		R32 2,800 / 45 (g/m)		
Operating range	Cooling : Heating	°C		-10 to 46 : -15 to 24		-10 to 46 : -15 to 24		-10 to 46 : -15 to 24		-10 to 46 : -15 to 24		-10 to 46 : -15 to 24		-10 to 46 : -15 to 24		

# Indoor Unit Ultra Slim Ducted

With a height of only 200 mm, it provides greater flexibility and adaptability for various applications. In addition, high efficiency and extreme low noise level make it highly suitable for apartments and hotels.



CS-Z25UD3RAW  
CS-Z35UD3RAW  
CS-Z50UD3RAW  
CS-Z60UD3RAW



Wired remote controller included. CZ-TACG1\*1

Note: Product image not to scale.

-   
Self-diagnosing Function
-   
Automatic Fan Operation
-   
Dry Mode
-   
Automatic Restart Function
-   
Built-in Drain Pump
-   
DC Motor

## Technical focus

- Space saving 200mm height
- Rear or Bottom Return Air Options
- Built-in Drain Pump
- DC fan motor greatly reduces power consumption
- Easy maintenance and service by external electrical box
- 40 Pa static pressure enables ductwork to be fitted.

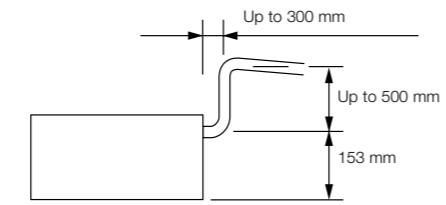
## Ultra-slim profile for all models

200mm height for all models allows installation in very narrow ceilings.



## Drain pump with increased power

Using the built-in high-lift drain pump, the drain piping rise height can be increased to 653 mm from the lower surface of the body.



## Specifications

Capacity		2.5KW	3.6KW	5.0KW	6.0KW
model Name	Indoor Unit	CS-Z25UD3RAW	CS-Z35UD3RAW	CS-Z50UD3RAW	CS-Z60UD3RAW
	Outdoor Unit	CU-Z25UBRA	CU-Z35UBRA	CU-Z50UBRA	CU-Z60UBRA
Cooling capacity :	kW	2.60 (0.85 - 3.20)	3.70 (0.85 - 4.00)	5.00 (0.90 - 5.70)	5.60 (0.90 - 6.50)
	Heating capacity	3.30 (0.85 - 4.90)	4.20 (0.85 - 5.60)	6.10 (0.90 - 7.20)	7.00 (0.90 - 8.00)
EER : COP	BTU/h	8,870 (2,900 - 10,900)	12,600 (2,900 - 13,600)	17,100 (3,070 - 19,400)	19,100 (3,070 - 22,200)
	W/W	11,300 (2,900 - 16,700)	14,300 (2,900 - 19,100)	20,800 (3,070 - 24,600)	23,900 (3,070 - 27,300)
Power input (min - max)	W/W	4.48 : 4.23	3.85 : 4.08	3.57 : 3.63	3.29 : 3.24
	Cooling : Heating kW	0.58 (0.24 - 0.85) : 0.78 (0.23 - 1.25)	0.96 (0.24 - 1.12) : 1.03 (0.23 - 1.57)	1.40 (0.26 - 1.78) : 1.68 (0.26 - 2.20)	1.70 (0.26 - 2.30) : 2.16 (0.26 - 2.60)
<b>Indoor Unit</b>					
Power source	Phase/Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz
	V	230V   240V	230V   240V	230V   240V	230V   240V
Dimensions	H x W x D	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640
Net weight	kg	19	19	19	19
Air volume	Cooling : Heating L/s	175 : 175	187 : 187	255 : 255	262 : 262
	Sound pressure level (H/M/L)	Cooling : Heating dB(A)	33 / 27 / 24 : 34 / 27 / 24	33 / 26 / 23 : 35 / 27 / 24	39 / 29 / 26 : 39 / 30 / 27
Sound power level (H/M/L)	Cooling : Heating dB(A)	49 / 43 / 40 : 50 / 43 / 40	49 / 42 / 39 : 51 / 43 / 40	55 / 45 / 42 : 55 / 46 / 43	57 / 46 / 43 : 57 / 48 / 45
	<b>Outdoor Unit</b>				
Power source	Phase/Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz
	V	230V   240V	230V   240V	230V   240V	230V   240V
Current (rated)	Cooling : Heating A	2.80 : 3.50   2.70 : 3.40	4.30 : 4.70   4.20 : 4.50	6.30 : 7.40   6.10 : 7.20	7.50 : 9.50   7.30 : 9.30
Dimensions	H x W x D	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight	kg	33	35	42	43
Piping connections	Liquid / Gas	mm	mm	mm	mm
Pipe length	min. - max.	m	m	m	m
Elevation difference	m	15	15	20	20
Operation ranges	Cooling : Heating °C	-10 ~ +46 : -15 ~ +24	-10 ~ +46 : -15 ~ +24	-10 ~ +46 : -15 ~ +24	-10 ~ +46 : -15 ~ +24

Notes:

The Rated Capacity, Power Input and Running Current are measured in accordance with AS/NZS 3823

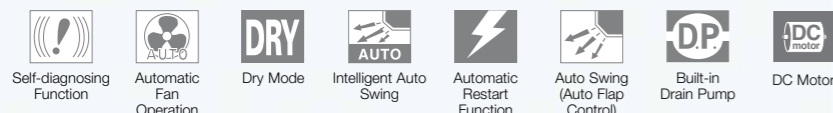
- Cooling: Indoor temperature: 27°C DB/ 19°C WB, Outdoor temperature: 35°C DB/ 24°C WB
- Heating: Indoor temperature: 20°C DB/ 15°C WB, Outdoor temperature: 7°C DB/ 6°C WB
- Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions
- Sound levels are measured in default status which is rear return air, when changing to bottom return air, sounds levels may be higher.
- Ultra Slim Ducted is not supported by PAC Smart Connectivity+.

\*1 If you connect WLAN adaptor (CZ-TACG1) to an indoor unit other than wall mounted type and operate from the smartphone with Panasonic Comfort Cloud App, airflow direction may not be operated as it is shown on the display.

# Indoor Unit 4-WAY Cassette

Featuring uniform cooling, easy installation, and with a sleek exterior, this unit is the perfect match for all commercial applications.

**nanoe™ X**  
**Generator Mark1**  
nanoe™ X as a standard



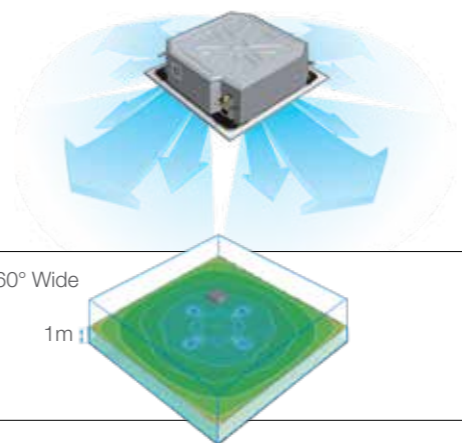
### Technical focus

- Compact design
- Low sound levels
- DC fan motor for increased efficiency
- Powerful drain pump gives 850 mm lift
- Lightweight design
- Fresh air knockout
- Branch duct connection
- Optional air-intake plenum CZ-FDU3

### 360° Wide & Comfortable Airflow

Our design features wide-angle outlets and flaps that were designed through expert mechanics and prototype tests. Air from the centre is sent farther and the air blown out of the larger, side flaps spreads throughout the room. The air comes from all four sides of the unit and expands gently in a circle centred on the indoor unit.

Ample airflow: 600 l/s  
Industry's leading in the 140PU class. **Comfort/Quiet**

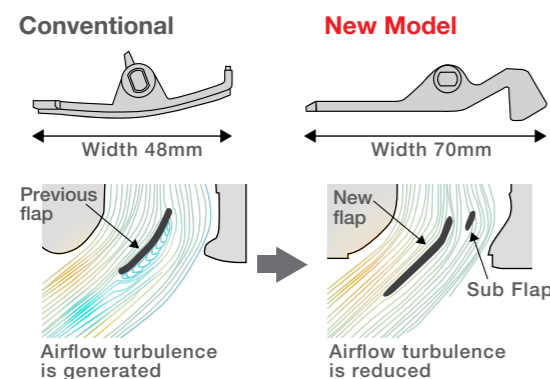


Temperature distribution by thermograph (cooling operation)

Simulation conditions:  
P140 4-WAY Ceiling Mounted Cassette type in cooling mode  
/ Floor area of 225 m<sup>2</sup>/ Ceiling height of 3 m

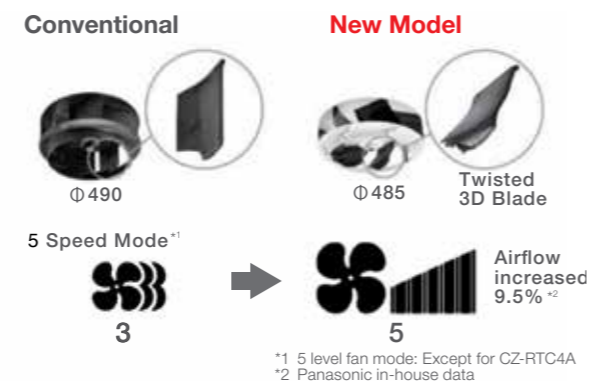
### Wide Flap

Adding a sub flap and widening the main flap have reduced turbulence and increased airflow. Also, setting the jetting port at a wider angle allows the airflow to reach the corners of the room more quickly.



### 3D Turbo Fan

Using a twisted 3D blade made the unit slimmer and more compact, while also increasing the airflow. A 5-Speed mode allows the airflow to be adjusted in 5 steps to suit the situation.



### High-Ceiling Installation (Up to 5 m for 10.0kW+ models)

The units can be installed in rooms with high ceilings, where they provide ample floor-level heating in the winter. (See ceiling height guidelines below.)

High Ceiling (Factory settings)			
New model	Up to 3.0m	Up to 3.6m	
Capacity	6071PU	1014PU	
Industry's top-class			
1014PU	Up to 5.0m	Up to 4.7m	Up to 5.0m
Capacity	4-way discharge high ceiling setting 2	3-way discharge with the optional air-blocking materials	2-way discharge with the optional air-blocking materials

### Ceiling height guidelines

Indoor unit	*3 settings			3-way discharge (optional air-blocking materials)	2-way discharge (optional air-blocking materials) **
	4-way discharge Standard (Factory setting)	High ceiling setting 1	High ceiling setting 2		
6071PU	3.0	3.3	3.6	3.8	4.2
1014PU	3.6	4.3	5.0	4.7	5.0

\*3 When using the unit in a configuration other than the factory settings, it is necessary to make settings on site to increase airflow.  
\*4 Use air-blocking materials (CZ-CFU3) to completely block two discharge outlets for 2-way airflow.

# Indoor Unit: 4-WAY Cassette

## Specifications of R32 Deluxe Model R32

Capacity		7.1kW		10.0kW		12.5kW		14.0kW	
Model Name	Indoor Unit	S-6071PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E
	Outdoor Unit	U-71PZH3R5	U-100PZH3R5	U-100PZH3R8	U-125PZH3R5	U-125PZH3R8	U-140PZH3R5	U-140PZH3R8	
Panel		Standard type:CZ-KPU3H ECONAVI type:CZ-KPU3A		Standard type:CZ-KPU3H ECONAVI type:CZ-KPU3A		Standard type:CZ-KPU3H ECONAVI type:CZ-KPU3A		Standard type:CZ-KPU3H ECONAVI type:CZ-KPU3A	
Cooling capacity	kW	7.1 (2.2 - 9.0)	10.0 (3.1 - 12.5)	10.0 (3.1 - 12.5)	12.5 (3.2 - 14.0)	12.5 (3.2 - 14.0)	14.0 (3.3 - 16.0)	14.0 (3.3 - 16.0)	
	BTU/h	24,200 (7,500 - 30,700)	34,100 (10,600 - 42,700)	34,100 (10,600 - 42,700)	42,700 (10,900 - 47,800)	42,700 (10,900 - 47,800)	47,800 (11,300 - 54,600)	47,800 (11,300 - 54,600)	
Heating capacity	BTU/h	27,300 (6,800 - 30,700)	38,200 (10,600 - 47,800)	38,200 (10,600 - 47,800)	47,800 (10,900 - 54,600)	47,800 (10,900 - 54,600)	54,600 (11,300 - 61,400)	54,600 (11,300 - 61,400)	
EER : COP	W/W	4.06 : 4.30	4.41 : 5.00	4.41 : 5.00	3.80 : 4.61	3.80 : 4.61	3.41 : 4.30	3.41 : 4.30	
COP@H2 condition	W/W	2.60	2.90	2.90	2.70	2.70	2.50	2.50	
Total power input	Cooling : Heating	1.75 : 1.86	2.27 : 2.24	2.27 : 2.24	3.29 : 3.04	3.29 : 3.04	4.11 : 3.72	4.11 : 3.72	
TCSPF : HSPF	Residential	Hot Climate	5.86 : 5.68	6.24 : 5.68	6.24 : 5.68	5.71 : 5.63	5.71 : 5.63	5.35 : 5.60	5.35 : 5.60
		Average Climate	5.10 : 4.77	5.53 : 5.15	5.53 : 5.15	5.20 : 4.88	5.20 : 4.88	4.93 : 4.71	4.93 : 4.71
		Cold Climate	5.16 : 4.11	5.64 : 4.63	5.64 : 4.63	5.39 : 4.28	5.39 : 4.28	5.17 : 4.01	5.17 : 4.01
	Commercial	Hot Climate	6.58 : 5.81	6.96 : 5.66	6.96 : 5.66	6.36 : 5.74	6.36 : 5.74	5.96 : 5.76	5.96 : 5.76
		Average Climate	6.83 : 5.30	7.09 : 5.35	7.09 : 5.35	6.72 : 5.32	6.72 : 5.32	6.43 : 5.25	6.43 : 5.25
		Cold Climate	7.41 : 4.63	7.69 : 4.92	7.69 : 4.92	7.37 : 4.72	7.37 : 4.72	7.10 : 4.53	7.10 : 4.53

Notes:

- In the case of nanoe X OFF
- In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min) shall be multiplied by 16.7 and rounded down the decimal point.
- AER and ACOP classification is at 230V(400V) only in accordance with GEMS2019.
- TCSPF, HSPF and Total Energy consumption indicate the value of average temperature zone.
- Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions
- H:High at setting 5 stage (Level 5), M:Middle at setting 5 stage (Level 3), L:Low at setting 5 stage (Level 1)

\*1 For piping connection for 6.0kW unit, connect the gas socket tube (Ø12.7-Ø15.88) to the gas tubing side indoor unit and connect the liquid socket tube (Ø6.35-Ø9.52) to the liquid tubing side indoor unit.

\*2 For piping connection for 7.1kW unit, connect the liquid socket tube (Ø6.35-Ø9.52) to the liquid tubing side indoor unit.

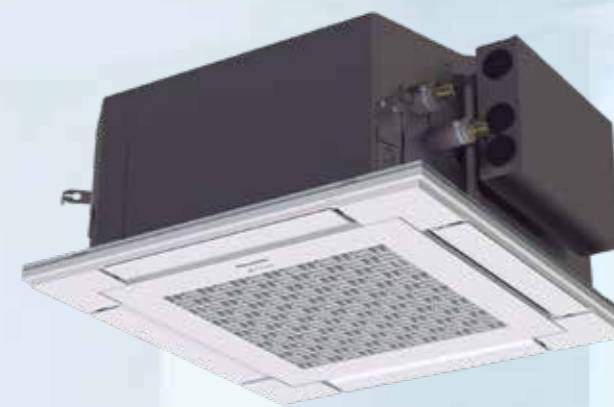
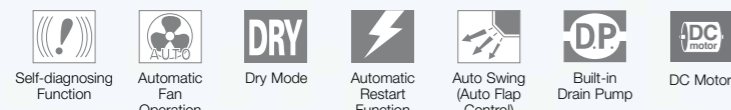
## Specifications of R32 Compact Model R32

Capacity		6.0kW		7.1kW		10.0kW		12.5kW		14.0kW	
Model Name	Indoor Unit	S-6071PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E	
	Outdoor Unit	U-60PZ4R5	U-71PZ4R5	U-100PZ4R5	U-100PZ4R8	U-125PZ4R5	U-125PZ4R8	U-140PZ4R5	U-140PZ4R8		
Panel		Standard type:CZ-KPU3,CZ-KPU3W ECONAVI type:CZ-KPU3A,CZ-KPU3AW		Standard type:CZ-KPU3,CZ-KPU3W ECONAVI type:CZ-KPU3A,CZ-KPU3AW		Standard type:CZ-KPU3,CZ-KPU3W ECONAVI type:CZ-KPU3A,CZ-KPU3AW		Standard type:CZ-KPU3,CZ-KPU3W ECONAVI type:CZ-KPU3A,CZ-KPU3AW		Standard type:CZ-KPU3,CZ-KPU3W ECONAVI type:CZ-KPU3A,CZ-KPU3AW	
Cooling capacity	kW	6.0 (2.0 - 7.1)	7.1 (2.6 - 7.7)	10.0 (3.0 - 11.0)	10.0 (3.0 - 11.0)	12.5 (3.2 - 13.5)	12.5 (3.2 - 13.5)	14.0 (3.3 - 15.0)	14.0 (3.3 - 15.0)		
	BTU/h	20,500 (6,800 - 24,200)	24,200 (8,900 - 26,300)	34,100 (10,200 - 37,500)	34,100 (10,200 - 37,500)	42,700 (10,900 - 46,100)	42,700 (10,900 - 46,100)	47,800 (11,300 - 51,200)	47,800 (11,300 - 51,200)		
Heating capacity	BTU/h	20,500 (6,100 - 23,900)	24,200 (7,200 - 27,600)	34,100 (8,900 - 40,900)	34,100 (8,900 - 40,900)	42,700 (10,600 - 51,200)	42,700 (10,600 - 51,200)	47,800 (10,700 - 54,600)	47,800 (10,700 - 54,600)		
EER : COP	W/W	3.82 : 4.48	3.50 : 4.44	3.82 : 4.93	3.82 : 4.93	3.58 : 4.43	3.58 : 4.43	3.23 : 4.18	3.23 : 4.18		
COP@H2 condition	W/W	4.39	4.36	4.84	4.84	4.33	4.33	4.10	4.10		
Total power input	Cooling : Heating	1.57 : 1.34	2.03 : 1.60	2.62 : 2.03	2.62 : 2.03	3.49 : 2.82	3.49 : 2.82	4.34 : 3.35	4.34 : 3.35		
TCSPF : HSPF	Residential	Hot Climate	5.74 : 6.69	5.18 : 5.79	5.76 : 6.14	5.77 : 6.43	5.34 : 5.60	5.34 : 5.60	4.95 : 5.66	4.95 : 5.66	
		Average Climate	5.13 : 5.44	4.69 : 4.90	5.18 : 5.26	5.00 : 5.05	4.71 : 4.88	4.71 : 4.88	4.51 : 4.76	4.51 : 4.76	
		Cold Climate	5.30 : 4.45	4.86 : 4.11	5.39 : 4.52	5.09 : 4.62	4.87 : 4.17	4.87 : 4.17	4.68 : 3.99	4.68 : 3.99	
	Commercial	Hot Climate	6.38 : 6.71	5.78 : 5.80	6.41 : 6.22	6.60 : 5.34	5.96 : 5.57	5.96 : 5.57	5.46 : 5.70	5.46 : 5.70	
		Average Climate	6.64 : 5.97	6.57 : 5.28	6.57 : 5.10	7.05 : 5.10	5.99 : 5.14	5.99 : 5.14	5.88 : 5.17	5.88 : 5.17	
		Cold Climate	7.23 : 5.06	6.82 : 4.58	7.18 : 5.02	7.93 : 4.78	6.54 : 4.55	6.54 : 4.55	6.41 : 4.48	6.41 : 4.48	

# Indoor Unit Low Profile Mini Cassette

Redesigned for a lower vertical profile, it fits easily into a standard 60 x 60cm ceiling grid without the need to alter bar configuration. This makes the Low Profile Mini Cassette ideal for small commercial and retrofit applications, in particular those with lower ceilings.

**nanoe™ X**  
**Generator Mark2**  
nanoe™ X as a standard



S-25PY3E  
S-36PY3E  
S-50PY3E  
S-60PY3E



Panel CZ-KPY4



CZ-RTC6WBL\*1 CZ-RTC5B CZ-RTC4A CZ-CAPWFC2

CZ-RTC6WBLW2\*1

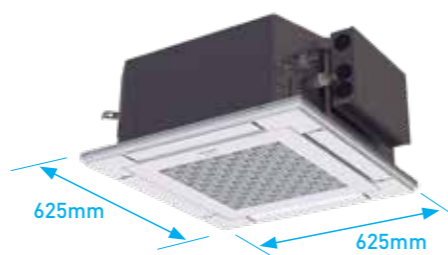
\*1 Black models are also available.  
Note: Product image not to scale.

## Technical focus

- Market-leading energy efficiency
- Compact design (230mm High)
- Easy installation
- Built-in drain pump
- Mini cassette fits into a 600 x 600mm ceiling grid
- Powerful drain pump gives 850mm lift
- DC fan motor with variable speed and a new heat exchanger ensures efficient power consumption
- Multi-directional air flow

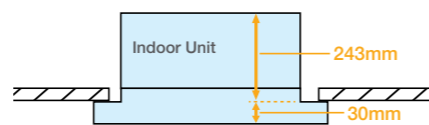
## Compact, stylish design

Thanks to advanced Panasonic design the panel is a compact 625 x 625mm, offering elegant, unobtrusive installation even where space is limited.



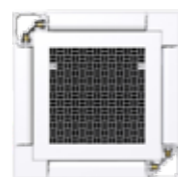
## Lighter and slimmer for easier installation

When only 230mm of indoor body height, it can easily fit in limited spaces and tight spots. (Required 243mm from bottom of panel to top of the unit)



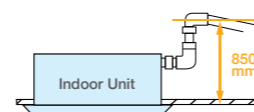
## Individual flap control

Keep everyone comfortable by directing air where it's needed and away from where it isn't with individual flap control.



## A drain height of up to 850mm from the ceiling surface

The internal pump allows the drain pipe to be elevated up to 850mm above the base of the unit.



## Specifications

Capacity		2.5KW	3.5KW	5.0KW	6.0KW	
model Name	Indoor Unit	S-25PY3E	S-36PY3E	S-50PY3E	S-60PY3E	
	Outdoor Unit	U-25PZ3R5	U-36PZ3R5	U-50PZ3R5	U-60PZ4R5	
	Panel	CZ-KPY4	CZ-KPY4	CZ-KPY4	CZ-KPY4	
	Receiver	CZ-RWR3	CZ-RWR3	CZ-RWR3	CZ-RWR3	
Cooling capacity :	kW	2.5 (1.3-3.9)	3.6 (1.5-4.0)	5.0 (1.5-6.4)	6.0 (2.0-7.0)	
	BTU/h	8,500 (4,400-13,300)	12,300 (5,100-13,600)	17,100 (5,100-21,800)	20,500 (6,800-23,900)	
Heating capacity	kW	3.2 (1.3-4.6)	3.6 (1.3-4.6)	5.0 (1.5-6.4)	6.0 (1.8-7.0)	
	BTU/h	10,900 (4,400-15,700)	12,300 (4,400-15,700)	17,100 (5,100-21,800)	20,500 (6,100-23,900)	
EER : COP	W/W	4.46 : 4.44	4.55 : 4.29	3.50 : 3.94	3.33 : 3.49	
Power input (min - max)	Cooling : Heating	kW	0.56(0.27-1.10):0.72(0.25-1.35)	0.91(0.28-1.12):0.84(0.25-1.36)	1.43(0.27-2.20):1.27(0.27-2.20)	1.80(0.34-2.53):1.72(0.34-2.45)
	<b>Indoor Unit</b>					
Power source	Phase/Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	
	V	230V   240V	230V   240V	230V   240V	230V   240V	
Dimensions	H x W x D	mm	243 x 575 x 575	243 x 575 x 575	243 x 575 x 575	
Net weight	kg	15	15	15	15	
Air volume	Cooling : Heating	L/s	141 : 141	158 : 158	200 : 200	233 : 233
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)	31/28/25 : 31/28/25	34/30/25 : 34/30/25	39/34/27 : 39/34/27	43/37/31 : 43/37/31
	Cooling : Heating	dB(A)	46/43/40 : 46/43/40	49/45/40 : 49/45/40	54/49/42 : 54/49/42	58/52/46 : 58/52/46
Sound power level (H/M/L)	Cooling : Heating	dB(A)	46/43/40 : 46/43/40	49/45/40 : 49/45/40	54/49/42 : 54/49/42	58/52/46 : 58/52/46
	<b>Outdoor Unit</b>					
Power source	Phase/Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	
	V	230V   240V	230V   240V	230V   240V	230V   240V	
Current	Cooling, Heating	A	2.55, 3.25   2.45, 3.10	4.05, 3.75   3.85, 3.60	6.35, 5.70   6.10, 5.45	7.90, 7.60   7.55, 7.25
Dimensions	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	
Net weight	kg	31	31	35	35	
Piping connections	Liquid / Gas	mm	Ø6.35 / Ø12.7	Ø6.35 / Ø12.7	Ø6.35 / Ø12.7	
Pipe length	min. - max.	m	3 - 20	3 - 20	3 - 30	
Elevation difference	m	15	15	15	15	
Operation ranges	Cooling : Heating	°C	-10 - +46 : -15 - +24	-10 - +46 : -15 - +24	-10 - +46 : -15 - +24	

Notes:  
The Rated Capacity, Power Input and Running Current are measured in accordance with AS/NZS 3823  
• Cooling: Indoor temperature: 27°C DB/ 19°C WB, Outdoor temperature: 35°C DB/ 24°C WB  
• Heating: Indoor temperature: 20°C DB/ 15°C WB, Outdoor temperature: 7°C DB/ 6°C WB

# Indoor Unit Under Ceiling

Providing outstanding energy-saving performance, comfort and long-distance airflow distribution, these units are perfect for retail stores and schools.

**nanoe™ X**  
**Generator Mark2**  
nanoe™ X as a standard

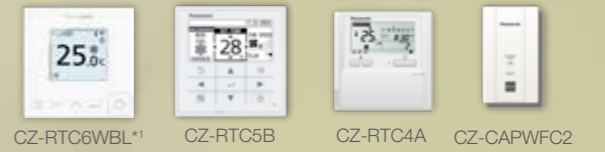


S-6071PT3E



S-1014PT3E

- Self-diagnosing Function
- Automatic Fan Operation
- Automatic Restart Function
- DC Motor



CZ-RTC6WBL\*1 CZ-RTC5B CZ-RTC4A CZ-CAPWFC2  
CZ-RTC6WBLW2 \*1  
\*1 Black models are also available.  
Note: Product image not to scale.

## Compact Looking, Stylish, One-motion Design

With its streamlined, one-motion form, the unit looks thin and compact when installed for a neat appearance in any room. When not operating, the louver closes to provide an elegant look while also keeping the unit clean.



## Energy-saving Technology Delivering Top-class Efficiency

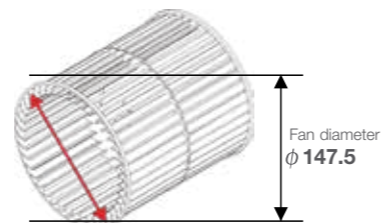
Optimisation of the shape of the casing and fan assures bigger air flow and higher efficiency. Energy-saving performance is top class in the industry.

**Top Class Energy Saving**

### New DC fan motor

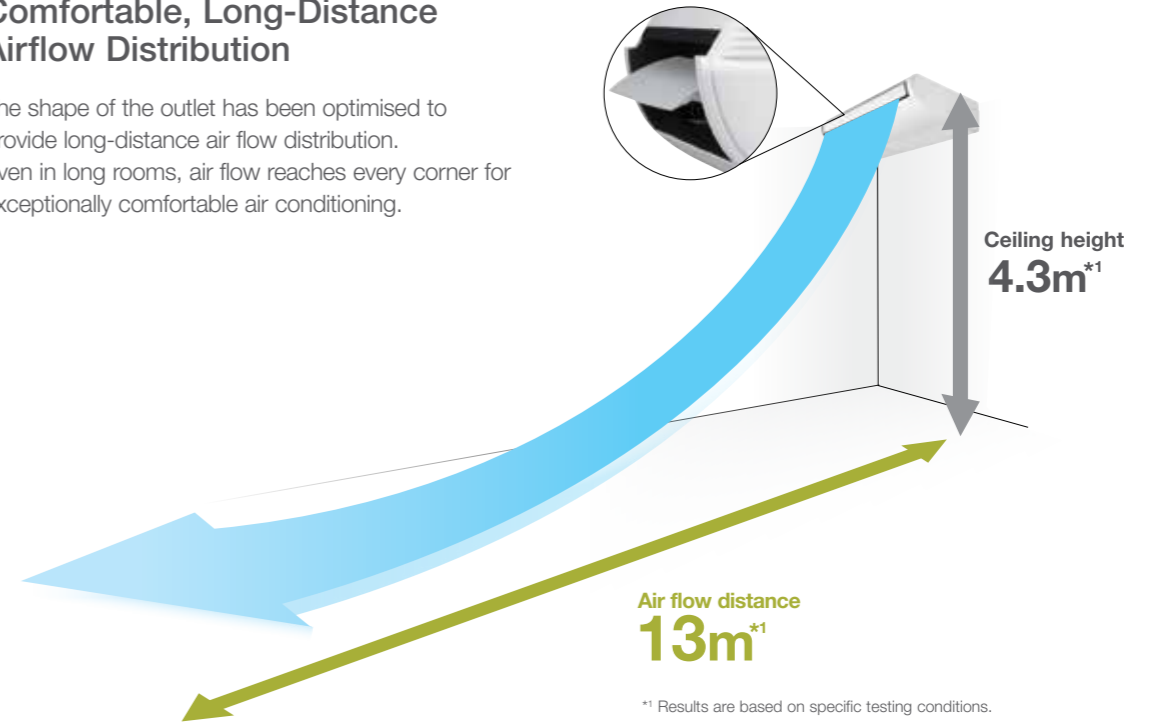


### Large Diagonal Air Flow Fan



## Comfortable, Long-Distance Airflow Distribution

The shape of the outlet has been optimised to provide long-distance air flow distribution. Even in long rooms, air flow reaches every corner for exceptionally comfortable air conditioning.



High Ceiling Setting*2	Air flow distance		
	100	125	140
4.3m	Up to 12m	Up to 13m	Up to 13m

\*2 Dedicated fan speed setting required.



# Indoor Unit: Under Ceiling

## Specifications of R32 Deluxe Model R32

Capacity		9.5kW		12.1kW		13.4kW		
Model Name	Indoor Unit	S-1014PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	
	Outdoor Unit	U-71PZ3R5	U-100PZH3R8	U-125PZH3R5	U-125PZH3R8	U-140PZH3R5	U-140PZH3R8	
Cooling capacity : Heating capacity	kW	9.5 (3.1 - 12.5) 11.2 (3.1 - 14.0)	9.5 (3.1 - 12.5) 11.2 (3.1 - 14.0)	12.1 (3.2 - 14.0) 14.0 (3.2 - 16.0)	12.1 (3.2 - 14.0) 14.0 (3.2 - 16.0)	13.4 (3.3 - 16.0) 16.0 (3.3 - 18.0)	13.4 (3.3 - 16.0) 16.0 (3.3 - 18.0)	
	BTU/h	32,400 (10,600 - 42,700) 38,200 (10,600 - 47,800)	32,400 (10,600 - 42,700) 38,200 (10,600 - 47,800)	41,300 (10,900 - 47,800) 47,800 (10,900 - 54,600)	41,300 (10,900 - 47,800) 47,800 (10,900 - 54,600)	45,700 (11,300 - 54,600) 54,600 (11,300 - 61,400)	45,700 (11,300 - 54,600) 54,600 (11,300 - 61,400)	
EER : COP	W/W	4.15 : 4.09	4.15 : 4.09	3.51 : 3.78	3.51 : 3.78	3.21 : 3.48	3.21 : 3.48	
COP@H2 condition	W/W	2.72	2.72	2.52	2.52	2.37	2.37	
Total power input	Cooling : Heating	2.29 : 2.74	2.29 : 2.74	3.45 : 3.70	3.45 : 3.70	4.17 : 4.60	4.17 : 4.60	
	Hot Climate	6.07 : 5.59	6.07 : 5.59	5.42 : 5.37	5.42 : 5.37	5.07 : 5.26	5.07 : 5.26	
TCSPF : HSPF	Residential	Average Climate	5.25 : 4.74	5.25 : 4.74	4.85 : 4.44	4.85 : 4.44	4.61 : 4.22	4.61 : 4.22
		Cold Climate	5.33 : 4.21	5.33 : 4.21	5.03 : 3.84	5.03 : 3.84	4.82 : 3.58	4.82 : 3.58
	Commercial	Hot Climate	6.84 : 5.66	6.84 : 5.66	6.07 : 5.50	6.07 : 5.50	5.66 : 5.45	5.66 : 5.45
		Average Climate	6.95 : 5.18	6.95 : 5.18	6.41 : 4.97	6.41 : 4.97	6.10 : 4.83	6.10 : 4.83
Cold Climate	7.54 : 4.66	7.54 : 4.66	7.03 : 4.35	7.03 : 4.35	6.71 : 4.13	6.71 : 4.13		
<b>Indoor Unit</b>								
Power source	Phase/Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	
	V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	
Dimension	H x W x D	Indoor	mm	235 X 1,590 X 690	235 X 1,590 X 690	235 X 1,590 X 690	235 X 1,590 X 690	
Net weight	Indoor	kg	40	40	40	40	40	
Air volume (H/M/L)	Cooling : Heating	L/s	501 / 417 / 384 : 501 / 417 / 384	501 / 417 / 384 : 501 / 417 / 384	567 / 467 / 400 : 567 / 467 / 400	567 / 467 / 400 : 567 / 467 / 400	584 / 484 / 417 : 584 / 484 / 417	
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)	42 / 37 / 34 : 42 / 37 / 34	42 / 37 / 34 : 42 / 37 / 34	46 / 40 / 35 : 46 / 40 / 35	46 / 40 / 35 : 46 / 40 / 35	47 / 41 / 36 : 47 / 41 / 36	
Sound power level (H/M/L)	Cooling : Heating	dB	60 / 55 / 52 : 60 / 55 / 52	60 / 55 / 52 : 60 / 55 / 52	64 / 58 / 53 : 64 / 58 / 53	64 / 58 / 53 : 64 / 58 / 53	65 / 59 / 54 : 65 / 59 / 54	
Number of fan speeds			5	5	5	5	5	
Drain piping	mm	VP-20	VP-20	VP-20	VP-20	VP-20	VP-20	
<b>Outdoor Unit</b>								
Power source	Phase/Hz	1 Phase / 50Hz	3 Phase / 50Hz	1 Phase / 50Hz	3 Phase / 50Hz	1 Phase / 50Hz	3 Phase / 50Hz	
	V	230V   240V	400V   415V	230V   240V	400V   415V	230V   240V	400V   415V	
Current (rated)	Cooling : Heating	A	10.8 : 12.9   10.4 : 12.4	3.65 : 4.35   3.45 : 4.15	16.1 : 17.3   15.5 : 16.6	5.40 : 5.85   5.20 : 5.65	19.5 : 21.5   18.7 : 20.6	6.55 : 7.30   6.30 : 6.95
Dimension	H x W x D	mm	1,416 x 940 x 340	1,416 x 940 x 340	1,416 x 940 x 340	1,416 x 940 x 340	1,416 x 940 x 340	
Net weight		kg	99	99	99	99	99	
Air volume	Cooling : Heating	L/s	1,970 : 1,803	1,970 : 1,803	2,087 : 1,870	2,087 : 1,870	2,154 : 1,937	
Sound pressure level (Silent mode)	Cooling : Heating	dB(A)	52 (50) : 52 (50)	52 (50) : 52 (50)	53 (51) : 53 (51)	53 (51) : 53 (51)	54 (52) : 54 (52)	
Sound power level (Silent mode)	Cooling : Heating	dB	68 (66) : 68 (66)	68 (66) : 68 (66)	69 (67) : 69 (67)	69 (67) : 69 (67)	70 (68) : 70 (68)	
Piping connections	Liquid / Gas	mm	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	
Pipe length range	min. - max.	m	5 - 85	5 - 85	5 - 85	5 - 85	5 - 85	
Elevation difference (OU located lower, OU located higher)		m	15, 30	15, 30	15, 30	15, 30	15, 30	
Maximum chargeless length		m	30	30	30	30	30	
Refrigerant at shipping / Additional gas amount		g	R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	
Operating range	Cooling : Heating	°C	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	

## Specifications of R32 Compact Model R32

Capacity		6.0kW		6.8kW		10.0kW		12.5kW		13.6kW	
Model Name	Indoor Unit	S-6071PT3E	S-6071PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E
	Outdoor Unit	U-60PZ4R5	U-71PZ4R5	U-100PZ4R5	U-100PZ4R8	U-125PZ4R5	U-125PZ4R8	U-140PZ4R5	U-140PZ4R8	U-140PZ4R5	U-140PZ4R8
Cooling capacity : Heating capacity	kW	6.0 (2.0 - 7.1) 6.0 (1.8 - 7.0)	6.8 (2.6 - 7.7) 6.8 (2.25 - 8.1)	10.0 (2.6 - 11.0) 10.0 (2.6 - 12.0)	10.0 (3.0 - 11.5) 10.0 (3.0 - 14.0)	12.5 (3.2 - 13.5) 12.5 (3.0 - 15.0)	12.5 (3.2 - 13.5) 12.5 (3.0 - 15.0)	13.6 (3.3 - 15.0) 14.0 (3.1 - 16.0)	13.6 (3.3 - 15.0) 14.0 (3.1 - 16.0)	13.6 (3.3 - 15.0) 14.0 (3.1 - 16.0)	13.6 (3.3 - 15.0) 14.0 (3.1 - 16.0)
	BTU/h	20,500 (6,800 - 24,200) 20,500 (6,100 - 23,900)	23,200 (8,900 - 26,300) 23,200 (7,700 - 27,600)	34,100 (8,900 - 37,500) 34,100 (8,900 - 40,900)	34,100 (10,200 - 39,200) 34,100 (10,200 - 47,800)	42,700 (10,900 - 46,100) 42,700 (10,200 - 51,200)	42,700 (10,900 - 46,100) 42,700 (10,200 - 51,200)	46,400 (11,300 - 51,200) 47,800 (10,600 - 54,600)	46,400 (11,300 - 51,200) 47,800 (10,600 - 54,600)	46,400 (11,300 - 51,200) 47,800 (10,600 - 54,600)	46,400 (11,300 - 51,200) 47,800 (10,600 - 54,600)
EER : COP	W/W	3.82 : 4.41	3.62 : 4.33	3.64 : 4.24	3.64 : 4.24	3.32 : 3.89	3.32 : 3.89	3.15 : 3.70	3.15 : 3.70	3.15 : 3.70	3.15 : 3.70
COP@H2 condition	W/W	4.29	4.23	4.17	4.13	3.81	3.81	3.64	3.64	3.64	3.64
Total power input	Cooling : Heating	1.57 : 1.36	1.88 : 1.57	2.75 : 2.36	2.75 : 2.36	3.76 : 3.21	3.76 : 3.21	4.32 : 3.78	4.32 : 3.78	4.32 : 3.78	4.32 : 3.78
	Hot Climate	5.18 : 6.06	5.18 : 5.61	5.24 : 5.58	5.24 : 5.58	4.97 : 5.43	4.97 : 5.43	4.80 : 5.35	4.80 : 5.35	4.80 : 5.35	4.80 : 5.35
TCSPF : HSPF	Residential	Average Climate	4.54 : 5.02	4.59 : 4.77	4.84 : 4.89	4.83 : 4.78	4.43 : 4.47	4.43 : 4.47	4.32 : 4.28	4.32 : 4.28	4.32 : 4.28
		Cold Climate	4.61 : 4.21	4.70 : 4.03	4.99 : 4.21	4.70 : 4.15	4.57 : 3.78	4.57 : 3.78	4.47 : 3.57	4.47 : 3.57	4.47 : 3.57
	Commercial	Hot Climate	5.63 : 6.12	5.73 : 5.64	5.84 : 5.62	5.84 : 5.60	5.51 : 5.53	5.51 : 5.53	5.34 : 5.52	5.34 : 5.52	5.34 : 5.52
		Average Climate	5.63 : 5.52	5.81 : 5.14	6.18 : 5.45	6.12 : 5.14	5.75 : 4.98	5.75 : 4.98	5.65 : 4.89	5.65 : 4.89	5.65 : 4.89
Cold Climate	5.98 : 4.75	6.26 : 4.49	6.74 : 4.75	6.63 : 4.57	6.24 : 4.29	6.24 : 4.29	6.18 : 4.14	6.18 : 4.14	6.18 : 4.14	6.18 : 4.14	
<b>Indoor Unit</b>											
Power source	Phase/Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz
	V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V
Dimension	H x W x D	Indoor	mm	235 X 1,275 X 690	235 X 1,275 X 690	235 X 1,590 X 690	235 X 1,590 X 690	235 X 1,590 X 690	235 X 1,590 X 690	235 X 1,590 X 690	235 X 1,590 X 690
Net weight	Indoor	kg	34	34	40	40	40	40	40	40	40
Air volume (H/M/L)	Cooling : Heating	L/s	333 / 283 / 241 : 333 / 283 / 241	350 / 300 / 258 : 350 / 300 / 258	500 / 416 / 383 : 500 / 416 / 383	500 / 416 / 383 : 500 / 416 / 383	566 / 466 / 400 : 566 / 466 / 400	566 / 466 / 400 : 566 / 466 / 400	583 / 483 / 416 : 583 / 483 / 416	583 / 483 / 416 : 583 / 483 / 416	583 / 483 / 416 : 583 / 483 / 416
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)	38 / 34 / 29 : 38 / 34 / 29	39 / 35 / 30 : 39 / 35 / 30	42 / 37 / 34 : 42 / 37 / 34	42 / 37 / 34 : 42 / 37 / 34	46 / 40 / 35 : 46 / 40 / 35	46 / 40 / 35 : 46 / 40 / 35	47 / 41 / 36 : 47 / 41 / 36	47 / 41 / 36 : 47 / 41 / 36	
Sound power level (H/M/L)	Cooling : Heating	dB	56 / 52 / 47 : 56 / 52 / 47	57 / 53 / 48 : 57 / 53 / 48	60 / 55 / 52 : 60 / 55 / 52	60 / 55 / 52 : 60 / 55 / 52	64 / 58 / 53 : 64 / 58 / 53	64 / 58 / 53 : 64 / 58 / 53	65 / 59 / 54 : 65 / 59 / 54	65 / 59 / 54 : 65 / 59 / 54	
Number of fan speeds			5	5	5	5	5	5	5	5	
Drain piping	mm	VP-20	VP-20	VP-20	VP-20	VP-20	VP-20	VP-20	VP-20	VP-20	
<b>Outdoor Unit</b>											
Power source	Phase/Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	3 Phase / 50Hz	1 Phase / 50Hz	3 Phase / 50Hz	1 Phase / 50Hz	3 Phase / 50Hz	1 Phase / 50Hz	3 Phase / 50Hz
	V	230V   240V	230V   240V	230V   240V	400V   415V	230V   240V	400V   415V	230V   240V	400V   415V	230V   240V	400V   415V
Current (rated)	Cooling : Heating	A	6.90 : 5.95   6.60 : 5.70	8.25 : 6.90   7.90 : 6.60	12.1 : 10.4   11.6 : 9.95	4.35 : 3.75   4.20 : 3.60	17.4 : 14.8   16.7 : 14.2	5.75 : 4.95   5.55 : 4.75	20.0 : 17.5   19.1 : 16.8	6.65 : 5.80   6.40 : 5.60	6.65 : 5.80   6.40 : 5.60
Dimension	H x W x D	mm	619 x 824 x 299	695 x 875 x 320	795 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	35	45	55	80	83	82	83	82	82
Air volume	Cooling : Heating	L/s	566 : 550	750 : 766	933 : 883	1,216 : 1,216	1,366 : 1,333	1,366 : 1,333	1,400 : 1,366	1,400 : 1,366	1,400 : 1,366
Sound pressure level (Silent mode)	Cooling : Heating	dB(A)	47 : 47	47 : 49	54 : 54	52 : 52	55 : 55	55 : 55	56 : 56	56 : 56	
Sound power level (Silent mode)	Cooling : Heating	dB	65 : 65	65 : 67	72 : 72	70 : 70	73 : 73	73 : 73	74 : 74	74 : 74	
Piping connections	Liquid / Gas	mm	Ø6.35 / Ø12.70	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	
Pipe length range	min. - max.	m	3 - 30	3 - 30	3 - 30	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	
Elevation difference (OU located lower, OU located higher)		m	15, 15	20, 20	20, 20	15, 30	15, 30	15, 30	15, 30	15, 30	
Maximum chargeless length		m	10	10	10	30	30	30	30	30	
Refrigerant at shipping / Additional gas amount		g	R32 1,220 / 15 (g/m)	R32 1,350 / 25 (g/m)	R32 1,930 / 25 (g/m)	R32 2,400 / 45 (g/m)	R32 2,800 / 45 (g/m)	R32 2,800 / 45 (g/m)	R32 2,800 / 45 (g/m)	R32 2,800 / 45 (g/m)	
Operating range	Cooling : Heating	°C	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	

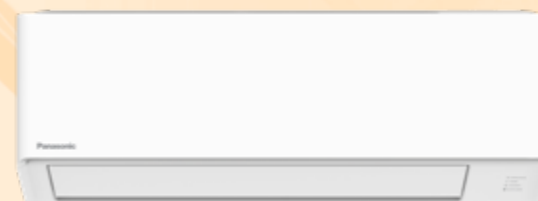
- Notes:
- In the case of nanoe X OFF
  - In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
  - AEEER and ACOP classification is at 230V(400V) only in accordance with GEMS2019.
  - TCSPF, HSPF and Total Energy consumption indicate the value of average temperature zone.
  - \*1 For piping connection for 6.0kW unit, connect the gas socket tube (Ø12.7-Ø15.88) to the gas tubing side indoor unit and connect the liquid socket tube (Ø6.35-Ø9.52) to the liquid tubing side indoor unit.
  - \*2 For piping connection for 7.1kW unit, connect the liquid socket tube (Ø6.35-Ø9.52) to the liquid tubing side indoor unit.

NEW

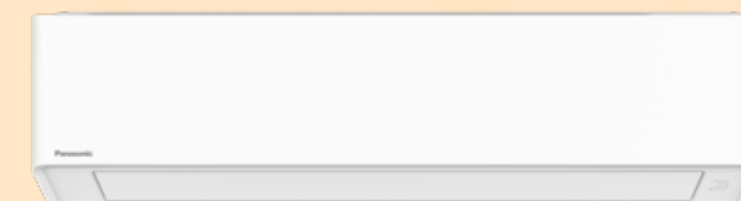
# Wall Mounted

Providing small, lightweight and low noise level design, it is ideal for small offices and other commercial applications. It also has a stylish smooth design with a washable front panel.

**nanoe™ X**  
**Generator Mark3**  
 nanoe™ X as a standard



S-25PK4R  
S-50PK4R



S-71PK4R  
S-100PK4R



CZ-RTC6WBL\*1 CZ-RTC5B CZ-RTC4A CZ-CAPWFC2

\*1 Black models are also available.  
 Note: Product image not to scale.

## Technical focus

- Closed discharge port when not in use
- Lighter and smaller units make installation easy
- Quiet operation
- Smooth and durable design
- Piping outlet in six directions
- Washable front panel
- Air distribution is automatically altered depending on the operational mode of the unit

### Closed discharge port

When the unit is turned off, the flap closes completely to prevent entry of dust into the unit and to keep the equipment clean.

### Piping outlet in six directions

Piping outlet is possible in the six directions of right, right rear, right bottom, left, left rear, left bottom, making installation easier.

### Efficient installation made possible with support holders and drain hose lock mechanism

Secure connection between drain tray and drain hose with lock for tight fastening during installation and for ease of dismantling.

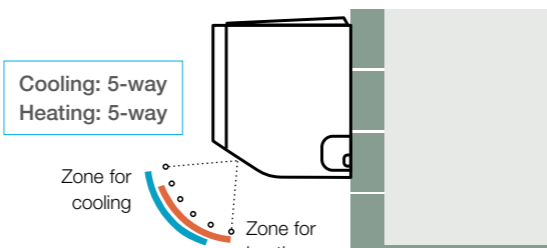


Securely hold the indoor unit against the wall, providing unobstructed access to install drain hose and piping.



### Air distribution is automatically altered depending on the operational mode of the unit

The new PK4 features a five-position automatic airflow adjuster for both cooling & heating.



## Specifications R32 REFRIGERANT

Capacity		2.5kW	5.0kW	7.1kW	10.0kW		
Model Name	Indoor Unit	S-25PK4R	S-50PK4R	S-71PK4R	S-100PK4R	S-100PK4R	
	Outdoor Unit	CU-RZ25AKR	CU-RZ50AKR	CU-RZ71AKR	CU-RZ95AKR	U-100PZ4R8	
Cooling capacity :	kW	2.5 (1.0 - 3.7)	5.0 (1.2 - 6.1)	7.1 (1.9 - 8.5)	8.8 (2.8 - 9.7)	9.0 (2.8 - 9.7)	
		3.0 (1.0 - 4.4)	6.0 (1.1 - 7.7)	8.0 (1.9 - 10.6)	9.0 (2.7 - 10.5)	9.0 (3.0 - 10.5)	
Heating capacity	BTU/h	8,500 (3,200 - 12,600)	17,100 (4,100 - 20,800)	24,200 (6,500 - 29,000)	30,000 (9,600 - 33,100)	30,700 (9,600 - 33,100)	
		10,200 (3,400 - 15,000)	20,500 (3,800 - 26,300)	27,300 (6,500 - 36,200)	30,700 (9,200 - 35,800)	30,700 (10,200 - 35,800)	
EER : COP	W/W	4.31 : 4.62	3.31 : 3.37	3.45 : 3.83	3.32 : 3.93	3.40 : 3.85	
COP@H2 condition	W/W	4.48	3.33	3.79	3.89	3.76	
Total power input	Cooling : Heating kW	0.58 : 0.65	1.51 : 1.78	2.06 : 2.09	2.65 : 2.29	2.65 : 2.34	
TCSPF : HSPF	Residential	Average Climate	5.03 : 4.82	4.83 : 4.04	5.02 : 4.45	4.66 : 4.44	4.31 : 4.41
		Cold Climate	5.03 : 4.25	5.02 : 3.50	5.24 : 3.82	4.87 : 3.89	4.41 : 3.88
	Commercial	Hot Climate	7.09 : 5.30	6.07 : 4.80	6.11 : 5.16	5.51 : 5.32	5.38 : 5.13
		Average Climate	7.15 : 5.00	7.01 : 4.37	7.05 : 4.74	5.91 : 4.87	5.48 : 4.72
	Cold Climate	8.12 : 4.52	8.29 : 3.88	8.25 : 4.19	6.46 : 4.33	5.92 : 4.24	
Power source	Phase/Hz V	1 Phase / 50Hz 230V   240V	1 Phase / 50Hz 230V   240V	1 Phase / 50Hz 230V   240V	1 Phase / 50Hz 230V   240V	1 Phase / 50Hz 230V   240V	
Dimensions	H x W x D	Indoor mm 290 x 765 x 214	Indoor mm 290 x 765 x 214	Indoor mm 295 x 1,060 x 249	Indoor mm 295 x 1,060 x 249	Indoor mm 295 x 1,060 x 249	
Net weight		kg 9	kg 9	kg 14	kg 14	kg 14	
Air volume (H/M/L)	Cooling : Heating L/s	188 / 133 / 96 200 / 146 / 110	208 / 166 / 138 228 / 176 / 138	375 / 305 / 235 375 / 305 / 235	375 / 333 / 291 375 / 333 / 291	375 / 333 / 291 375 / 333 / 291	
Sound pressure level (H/M/L)	Cooling : Heating dB(A)	40 / 33 / 25 : 40 / 34 / 27	44 / 39 / 34 : 44 / 40 / 33	49 / 43 / 37 : 49 / 43 / 37	49 / 45 / 41 : 49 / 45 / 41	49 / 45 / 41 : 49 / 45 / 41	
Sound power level (H/M/L)	Cooling : Heating dB	56 / 49 / 41 : 56 / 50 / 43	60 / 55 / 50 : 60 / 56 / 49	65 / 59 / 53 : 65 / 59 / 53	65 / 61 / 57 : 65 / 61 / 57	65 / 61 / 57 : 65 / 61 / 57	
Number of fan speeds		5	5	5	5	5	
Drain pipe size	mm	VP-16	VP-16	VP-16	VP-16	VP-16	
<b>Outdoor Unit</b>							
Power source	Phase/Hz V	1 Phase / 50Hz 230V   240V	1 Phase / 50Hz 230V   240V	1 Phase / 50Hz 230V   240V	1 Phase / 50Hz 230V   240V	3 Phase / 50Hz 400V   415V	
Current (rated)	Cooling : Heating A	2.65 : 3.00   2.55 : 2.90	6.70 : 7.80   6.50 : 7.50	9.15 : 9.25   8.75 : 8.90	11.8 : 10.1   11.3 : 9.65	4.10 : 3.65   3.95 : 3.50	
Dimensions	H x W x D	mm 542 x 780 x 289	mm 619 x 824 x 299	mm 695 x 875 x 320	mm 795 x 875 x 320	mm 996 x 980 x 370	
Net weight		kg 25	kg 35	kg 45	kg 55	kg 83	
Air volume	Cooling : Heating L/s	533 : 500	550 : 550	750 : 766	933 : 883	1,216 : 1,216	
Sound pressure level (Silent mode)	Cooling : Heating dB(A)	48 : 49	48 : 49	54 : 54	55 : 55	52 : 52	
Sound power level (Silent mode)	Cooling : Heating dB	63 : 64	63 : 64	68 : 68	69 : 69	70 : 70	
Piping connections	Liquid / Gas mm	Ø6.35 (1/4) / Ø9.52 (3/8)	Ø6.35 (1/4) / Ø12.70 (1/2)	Ø6.35 (1/4) / Ø15.88 (5/8)	Ø6.35 (1/4) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)*	
Pipe length range	min. - max. m	3 - 20	3 - 30	3 - 30	3 - 30	5 - 50	
Elevation difference (OU located lower, OU located higher)	m	15, 15	15, 15	20, 20	20, 20	15, 30	
Maximum chargeless length	m	7.5	10	10	10	30	
Refrigerant at shipping, Additional gas amount	g	R32 540 / 10 (g/m)	R32 1,100 / 15 (g/m)	R32 1,350 / 25 (g/m)	R32 1,930 / 25 (g/m)	R32 2,400 / 45 (g/m)	
Operating range	Cooling : Heating °C	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	

Notes:  
 • In the case of nanoe X OFF  
 • In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.  
 • AEEER and ACOP classification is at 230V(400V) only in accordance with GEMS2019.  
 • TCSPF, HSPF and Total Energy consumption indicate the value of average temperature zone.  
 • Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions  
 • H:High at setting 5 stage (Level 5), M:Middle at setting 5 stage (Level 3), L:Low at setting 5 stage (Level 1)  
 \* The different-diameter-tube joint is required.

# Floor Console

This floor-type console's slender profile integrates unobtrusively into any interior, in a position that's also ideal when you want to warm your feet when it's cold.

**nanoe™ X**  
**Generator Mark1**  
 nanoe™ X as a standard



CS-Z25UFRAW  
 CS-Z35UFRAW  
 CS-Z50UFRAW



Wireless remote controller included.



CZ-TACG1\*

Note: Product image not to scale.

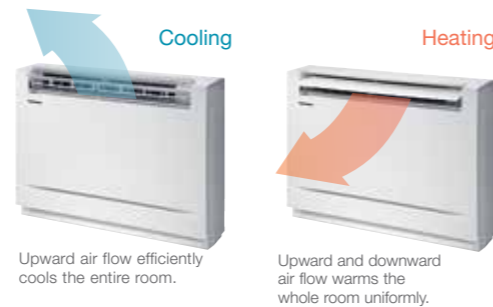
-  Self-diagnosing Function
-  Automatic Fan Operation
-  Dry Mode
-  Automatic Restart Function
-  Auto Swing (Auto Flap Control)
-  DC Motor

## Technical focus

- A breakthrough design that integrates perfectly with the most modern environments.
- Compact design fits 50mm wall recess

## 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

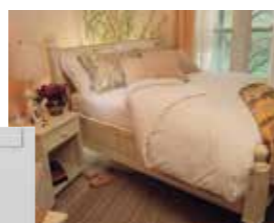
The design features a flat, elegant front panel that provides a neat appearance and the unit can be recessed into a wall up to 50mm.



## 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.

19dB\*<sup>1</sup>  
 Indoor



\*<sup>1</sup> CS-Z25UFRAW & CS-Z35UFRAW: In the Quiet mode during heating operation with low fan speed.

## Specifications of Current Model R32

Capacity		2.5kW	3.5kW	5.0kW
Model Name	Indoor Unit	CS-Z25UFRAW	CS-Z35UFRAW	CS-Z50UFRAW
	Outdoor Unit	CU-Z25UBRA	CU-Z35UBRA	CU-Z50UBRA
Cooling capacity :		2.50 (0.85~3.40)	3.50 (0.85~3.80)	5.00 (0.90~5.70)
	Heating capacity	3.40 (0.85~5.00)	4.30 (0.85~6.00)	5.60 (0.90~8.10)
		8,530 (2,900~11,600)	11,900 (2,900~13,000)	17,100 (3,070~19,400)
		11,600 (2,900~17,100)	14,700 (2,900~20,500)	19,100 (3,070~27,600)
EER : COP	W/W	5.00 : 4.59	4.07 : 4.06	3.65 : 3.81
Power input (min-max)	Cooling : Heating	0.50 (0.24-0.90)	0.86 (0.24-1.02)	1.37(0.26-1.81) :
		0.74 (0.24-1.35)	1.06 (0.24-1.75)	1.47 (0.26-2.60)
TCSPF : HSPF	Residential	Hot Climate	5.70 : 4.12	5.46 : 4.49
		Average Climate	5.05 : 4.21	5.01 : 4.29
		Cold Climate	4.97 : 3.94	5.07 : 3.78
	Commercial	Hot Climate	6.22 : 3.89	6.01 : 4.18
		Average Climate	6.40 : 3.85	6.80 : 4.00
		Cold Climate	6.97 : 3.78	7.31 : 3.80
<b>Indoor Unit</b>				
Power source	Phase/Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz
	V	230V   240V	230V   240V	230V   240V
Dimensions	H x W x D	600 x 750 x 207	600 x 750 x 207	600 x 750 x 207
Net weight	kg	13	13	13
Air volume	Cooling : Heating	L/s	163 : 173	170 : 182
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)	38 / 25 / 20 : 38 / 25 / 19	39 / 26 / 20 : 39 / 25 / 19
Sound power level (H/M/L)	Cooling : Heating	dB(A)	54 / 41 / 36 : 54 / 41 / 35	55 / 42 / 36 : 55 / 41 / 35
<b>Outdoor Unit</b>				
Power source	Phase/Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz
	V	230V   240V	230V   240V	230V   240V
Current (rated)	Cooling : Heating	A	2.40 : 3.40   2.30 : 3.25	3.90 : 4.80   3.70 : 4.60
Dimensions	H x W x D	mm	542 x 780 x 289	619 x 824 x 299
Net weight	kg	33	35	42
Piping connections	Liquid / Gas	m	Ø6.35 / Ø9.52	Ø6.35 / Ø9.52
Pipe length	min. - max.	m	3 - 20	3 - 20
Elevation difference	m	15	15	20
Piping connections	Cooling : Heating	°C	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24

Notes:

The Rated Capacity, Power Input and Running Current are measured in accordance with AS/NZS 3823

- Cooling: Indoor temperature: 27°C DB/ 19°C WB, Outdoor temperature: 35°C DB/ 24°C WB
- Heating: Indoor temperature: 20°C DB/ 15°C WB, Outdoor temperature: 7°C DB/ 6°C WB
- Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions.
- Floor console is not supported by PAC Smart Connectivity+.

\*<sup>1</sup> If you connect WLAN adaptor (CZ-TACG1) to an indoor unit other than wall mounted type and operate from the smartphone with Panasonic Comfort Cloud App, airflow direction may not be operated as it is shown on the display.

# Smart Connectivity and Control Solutions

Panasonic offers a range of smart connectivity and control solutions for residential and commercial applications that allow you to conveniently manage and monitor air conditioning units in single or multiple locations from one mobile device. Add solutions for partners such as contractors and service providers that simplify everything from configuration to repair diagnosis and discover a streamlined, next-generation air conditioning ecosystem.



**For Residential**

Comfort Cloud  
Panasonic  
Comfort Cloud

Home  
Automation  
Ready

## Personal Control Solutions Panasonic Comfort Cloud

- Remotely manage and monitor multiple air conditioning units in your home  
Easily control and access all features of the air conditioning units with smart centralised control.
- Intuitive voice control  
Control air conditioning units by voice command connecting to smart speaker.



### PLUG & PLAY FOR HOME AUTOMATION

Easily connect with integrated controllers to become part of your automated home network.



Note: For further information, please check CLIPSAL® website.

## Wide Range of Smart Control Solutions for All Needs

Whether you're a contractor or service provider looking for solutions to streamline everything from configuration to repair diagnosis, a facility manager overseeing multiple sites or a single office, or you're simply managing a home system, we offer a range of innovative, next-generation smart control solutions to suit your needs.

**For Light Commercial**

Comfort Cloud  
Panasonic  
Comfort Cloud

PAC Smart  
Connectivity+

## Cost Effective Energy Management Solution



- Multiple location control at your convenience with Comfort Cloud  
Gain control of multiple zones and sites intuitively adjusting temperature by areas with differentiated user rights settings.
- Indoor Air Quality (IAQ) and efficient energy usage with PAC Smart Connectivity+
  - Ultimate cooling comfort with sensing technology and automatic IAQ control.
  - Simplified Plug & Play installation with BMS connection for better energy consumption.

**For Multiple Building Management**

Panasonic  
AC Smart Cloud

## Full Control of All Installations From A Single Internet Connection Panasonic AC Smart Cloud

- Manage and monitor energy consumption patterns  
Analyse energy usage, running time and optimise temperatures to reduce energy costs.
- Centralised control solution with zero downtime  
Receive real-time status updates to prevent breakdowns.
- Flexible and scalable solution for expanding businesses and multi sites  
Adaptable solutions that can easily be upgraded for new features, meet user demand and better IT management.

**For end users and facility managers**

Comfort Cloud  
works with Google Home  
works with alexa

PAC Smart Connectivity+

Panasonic AC Smart Cloud

**Panasonic Comfort Cloud**  
Intuitive and scalable air conditioning control solution using a personal mobile device.

**PAC Smart Connectivity+**  
Offers efficient energy management with high indoor air quality (IAQ) control.

**Panasonic AC Smart Cloud**  
Monitor and manage energy consumption of multiple location through a cloud computing system.

**For contractors/service providers**

H&C Diagnosis APP  
H&C Control APP

Connect to APP via Bluetooth for greatly improved convenience during configuration and repair diagnosis.

\*1 CZ-TACG1 or CZ-CAPWFC2 Network Adaptor required per unit. Requires an Internet connection and the App downloaded from the App Store or GooglePlay Store on your smartphone or tablet with the latest Operating System available. To use Google Assistant to control your air conditioner, you will need a Google Assistant device. Google is a trademark of Google LLC. Google Home is compatible with the air conditioning systems shown on pages 4 and 5. Google functionality is only available with complete air conditioning systems (including Panasonic controllers).

# Panasonic Comfort Cloud

Control air conditioning units from wherever and whenever with your smartphone, by using Panasonic Comfort Cloud and WLAN smart adaptor. This scalable solution is ideal for one system, one site or multiple locations. Coupling the adapter with the already feature rich systems, makes it an ideal solution for both residential and commercial applications.



Comfort Cloud

### For Residential

Remotely manage and monitor air conditioning units from anywhere anytime.

### For Light Commercial

Gain control of multiple zones and sites intuitively up to 200 indoor units.

## Panasonic Comfort Cloud features

### Voice Control

Control air conditioning units by voice command intuitively connecting to smart speaker.\*1



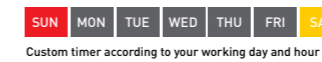
### From 1 to 200 Units

User can control up to 200 indoor units. 10 different sites, with up to 20 units / groups per site.



### Easy Scheduling

Complex weekly scheduling made simple. Not only for one units, but across multiple sites and from a smartphone.



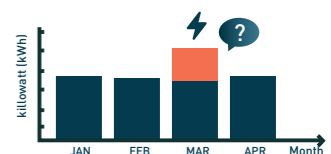
### Multiple User

The Panasonic Comfort Cloud App allows multiuser access control. Restrict user access to specific units.



### Energy Monitor

See the estimated power consumption and compare with other periods to see how energy bill can be reduced even more.\*2



### Error Codes

Error code notification through the App, provides early notification and allows for faster repair.



## Application Examples



Centralised control from reception.



Multiple location control for small business.

## System Configuration

Network Adaptor  
CZ-TACG1 CZ-CAPWFC2

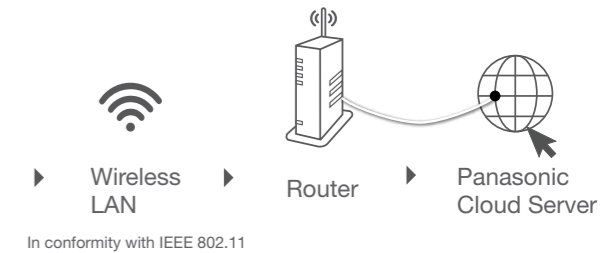


CZ-TACG1: For products for small sized project.  
CZ-CAPWFC2: Available for all types of VRF and PAC indoor unit.

Connection Diagram



Indoor Unit



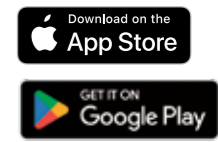
## WLAN Smart Adaptor Specification

	CZ-TACG1	CZ-CAPWFC2
Input Voltage	DC 12V (Supplied from indoor unit)	
Power Consumption	Maximum 0.66W	Maximum 2.4W
Size [H x W x D]	66 x 36 x 12mm	120 x 70 x 25mm
Weight	Approx. 85g	190g (including communications lines)
Interface	Wireless LAN	
Wireless LAN Standard	IEEE 802.11 b/g/n	IEEE 802.11 b/g/n; BT5.0 Low Energy (BLE)
Frequency range	2.4GHz band	
Encryption	WPA2-PSK(TKIP/AES)	WPA™ / WPA2™ / WPA3™
Operation range	0-55°C, 20 - 80RH%	

\*1 CZ-TACG1 or CZ-CAPWFC2 Network Adaptor required per unit. Requires an internet connection and the App downloaded from the App Store or GooglePlay Store on your smartphone or tablet with the latest Operating System available. To use Google Assistant to control your air conditioner, you will need a Google Assistant device. Google is a trademark of Google LLC. Google Home is compatible with the air conditioning systems shown on pages 4 and 5. Google functionality is only available with complete air conditioning systems (including Panasonic controllers). Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates. \*2 Function available depending on the model.



Comfort Cloud



Compatible Device and Browsers

Check on the relative app store for supported OS versions.

# Plug & Play for Home Automation

Easily connect with integrated controllers to become part of your automated home network. Plug & Play with Clipsal solutions to enjoy simplicity you've been waiting for, empowering you to take control of your home's technology.

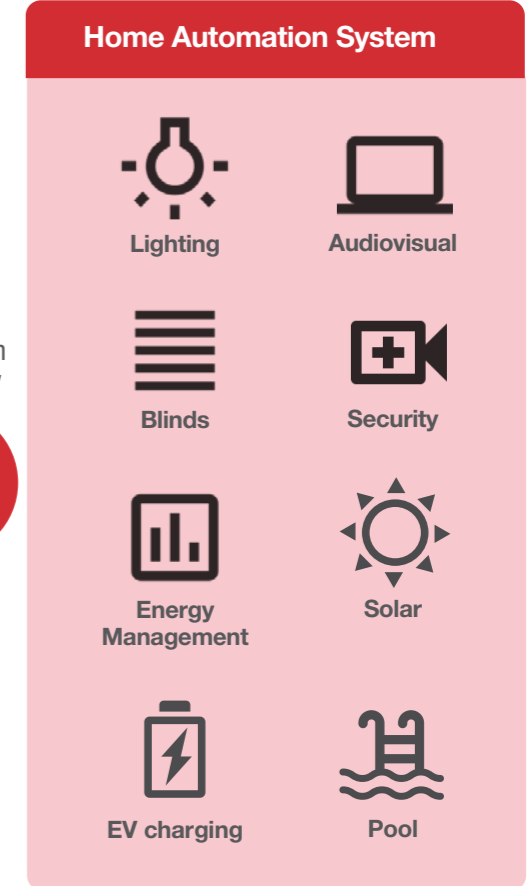


## Easy Design / Plug & Play

Clipsal control solution brings you smart home technologies and enables you to control devices at your fingertips from any smart phone or tablet. Panasonic air conditioners are ready for this smart home automation with just plug-and-play connectivity.



Easy Design  
Plug & Play



Applies to selected Panasonic Air Conditioning systems only, please consult with Panasonic for more details.

## Case Study

Panasonic VRF system was selected for the smart apartments, Lilydale Grove, which integrates robust automation technology to simplify your life. While other air conditioner brands need an adaptor to connect to HEMS, Panasonic can seamlessly connect with Schneider's Home automation, one of the market leaders in the HEMS industry.



- Air conditioning system FSV Heat Recovery (20 systems)  
FSV Heat Pump (4 systems)
- Cooling Capacity 742kW
- Indoor units 278 units
- Control System SER8150 x 278units

Note: System combination as of July 2020

**Panasonic**

**Schneider Electric**

Panasonic partnering with Schneider Electric offering home automation solution with CLIPSAL interfaces and devices.

**CLIPSAL**  
by Schneider Electric

Note: For further information please check CLIPSAL® website.

# PAC Smart Connectivity+

Through thorough energy management, Panasonic's PAC Smart Connectivity+\*1 is a completely new, state-of-the-art solution providing energy saving and comfort as well as simple installation, operation and maintenance.



## PAC Smart Connectivity+ ~New SE8000 series~

### 1. Quality Air Control

Optimum IAQ is realized using the CO<sub>2</sub> & humidity sensors. The interior remains comfortable, while heating and cooling costs are minimized.

The CO<sub>2</sub> sensor controls ventilation systems which contributes to improving the room's air quality.



### 2. Room Key Card or Key Cardless Solutions for Hotels

Solutions are provided that meet the needs of various regions and hotel grades.

Whilst the previous model's automatic detection function offered optimal air conditioning with or without a hotel room key card, the latest model enables conventional key cards to control air conditioners and other devices coordinately. The increase in the types of devices that can be connected enables customized control of any hotel room.

### 3. Other Equipment Control

One room controller manages various devices including lighting and the blinds. A ventilation system and other external connection devices can be connected by using HRC\*2 or SE8350 so that various control is possible with this controller alone, even without BMS.



## PAC Smart Connectivity+

PAC Smart Connectivity+ offers efficient energy management and a new air conditioning control solution with high IAQ (Indoor Air Quality).

### Energy Management System for Rooms

Each room is monitored by high-precision sensors, making it possible to make every room's temperature comfortable without wasting energy.

### Management System for the Entire Building

A Building Energy Management System (BMS) can also be connected for Plug & Play centralised control of the building's entire energy consumption.

## Advantages



### Dramatic Reduction of OpEx with Outstanding IAQ.

- 3 Built-in sensors: Temperature, RH and Occupancy
- ZigBee wireless sensors: CO<sub>2</sub>/Temperature/RH%, window/door, ceiling/wall



### Ultimate Customisation.

- Background colour customisable
- Custom display/icons, messages
- Programmable logic (also standalone)
- Various controls and various external connection devices



### User-/Owner-friendly.

- Colour touch screen
- Ease and simply of use
- 22 Languages
- Easy-to-understand error description

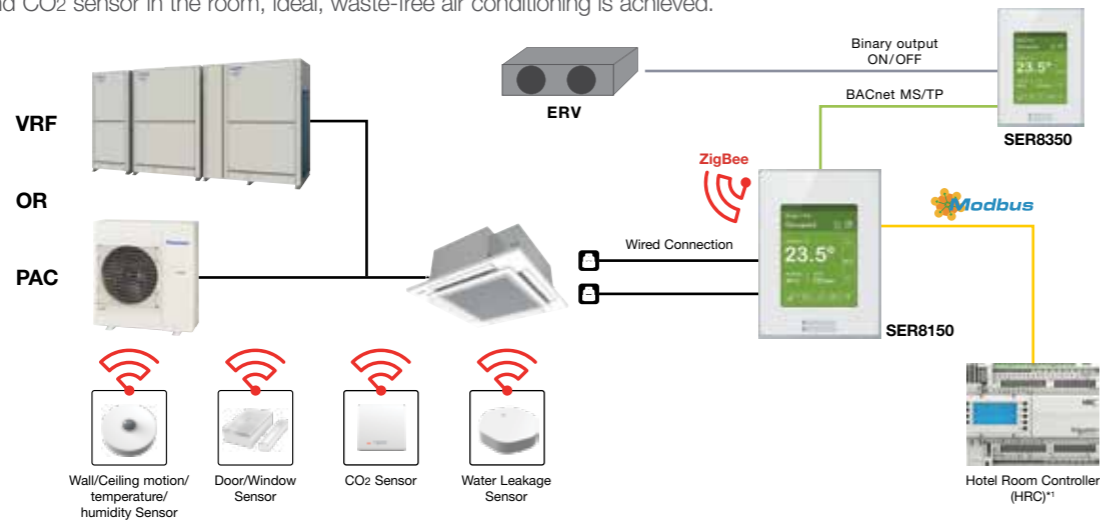


### Easy Design and Plug and Play to Reduce CapEx.

- Simple Plug & Play connection to Building Energy Management System (BMS)
- Stand alone or BMS connected
- Easy Installation of Zigbee Sensors

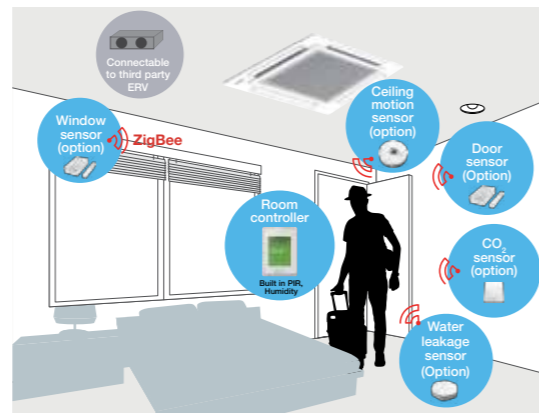
## Energy Management System for Rooms

By installing a ceiling motion sensor, wall motion temperature sensor, window/door sensor, and CO<sub>2</sub> sensor in the room, ideal, waste-free air conditioning is achieved.



### Sensing & Control technology

Using sensors from Schneider Electric, high-quality occupancy control and automatic IAQ control were realised. The sensors detect the presence or absence of occupants, and the opening and closing of doors and windows to achieve the most efficient energy management for exceptional air-conditioned comfort. Flexible installation is possible to match different applications and building features such as walls, ceilings and proximity to doors and windows. No wiring means extra installation versatility.



Batteries last for up to five years (10-year battery for CO<sub>2</sub> sensor) and are easy to install and replace.

<p><b>Door/Window Sensor</b> Door and window contact detection sensor to monitor opening and closing.</p>	<p><b>Wall/Ceiling motion/temperature/humidity Sensor</b> Wall and ceiling sensor to detect the presence or absence of occupants.</p>	<p><b>CO<sub>2</sub> Sensor</b> Monitor indoor air quality, review data on interfacing devices, and control fresh air inside customizable zones.</p>
<p><b>Water Leakage Sensor</b> Two sensing pads under the body activate when water is present between the two pads. Detecting the water, the sensor reports the event to the controller.</p>	<p><b>SER8350</b> Programmable controller for HVAC equipment. Includes local memory to store control sequence.</p>	<p><b>Hotel Room Controller (HRC)*1</b> The Hotel Room Controller controls connected guest room devices and aggregates data, making it visible to guest room and property management systems.</p>

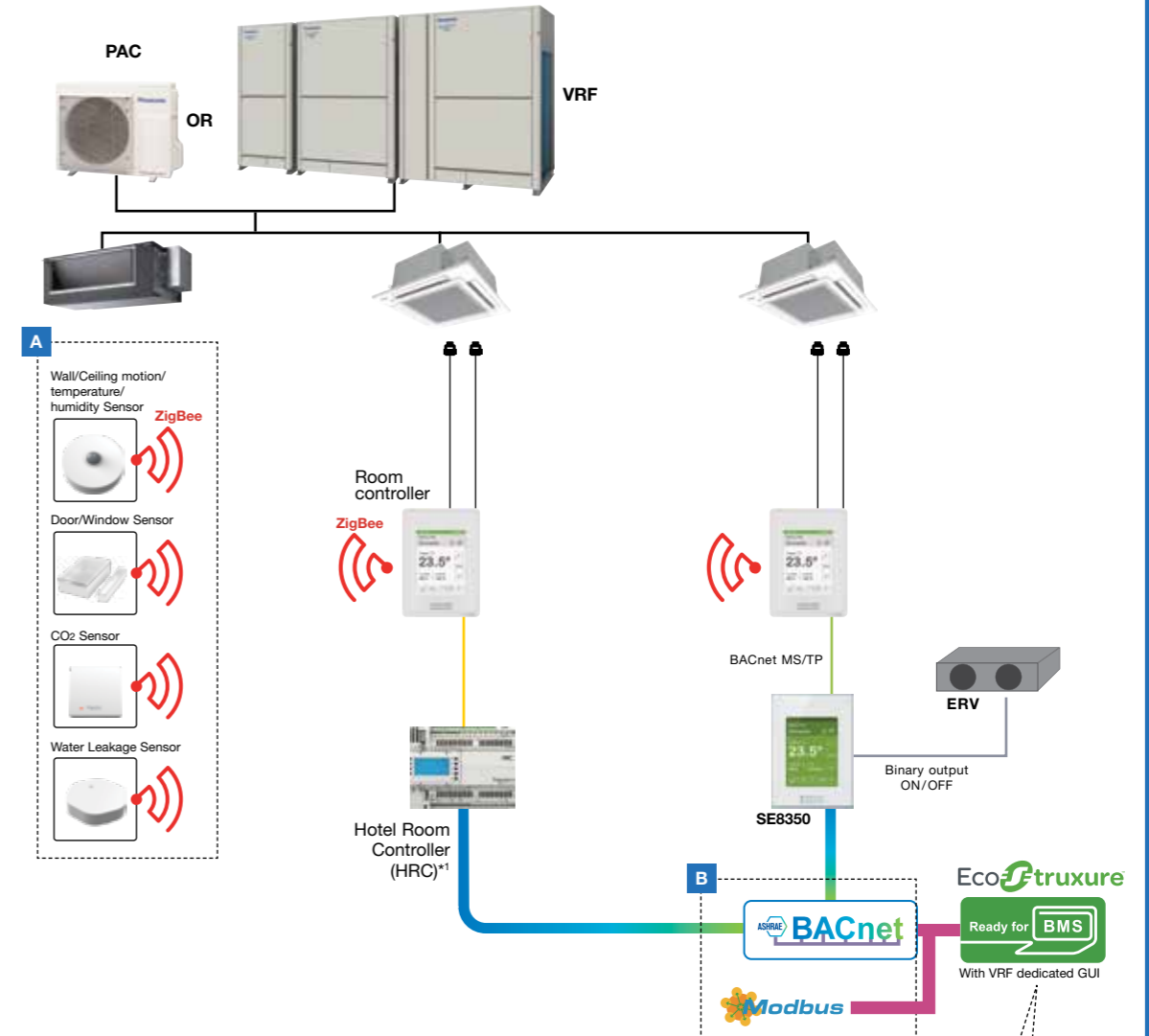
\*1 Available through a Schneider Electric distribution channel.

## Management System for the Entire Building\*2

The smarter solution to simplify energy management, optimise building efficiency and drive savings.

### Plug and Play BMS connection.

With the SER8150, connection to BMS is extremely easy. Better still, a remote controller is all that's needed to enable use as a stand-alone system. In addition to dramatically reducing the burden on system integrators, this cuts costs.



- A** SER8150 smart controller with direct hub to ZigBee® Pro sensors.  
Great Occupancy and IAQ control.  
Ex: Hotel room occupancy check by PIR sensor, IAQ by CO<sub>2</sub> sensor, Door / Window contacts.
- B** BACnet MS/TP or Modbus RTU communication are selectable
- C** For Schneider Electric BMS connection, Panasonic VRF widgets enable easy Plug and Play.  
Better understanding for VRF as a chiller system.

**BMS Widget (Exclusive)**

\*2 Graphic shows combination of products from Panasonic, Schneider Electric and others. Currently, some products might not available in Australia, please consult authorised dealer for more details.

## Smart Management Solutions

### 1 Hotels

#### Room Key Card or Key Cardless Solutions for Hotels

The SER8150 and ZigBee Sensor automatic detection function offer optimal air conditioning regardless of whether there is a hotel room key or not. Sensors detect the presence or absence of occupants and the opening and closing of doors and windows for the optimum air-conditioned environment guests expect. Automatic control ensures the most efficient operation when guests are away or when windows are open. This contributes to an appreciable reduction in operation costs.



### 2 Small and Medium Offices



#### CO2 sensors (option) and Humidity sensors

CO2 sensors (option) take measurements in units of ppm, and humidity sensors enable fine air quality control. This creates the most comfortable space for occupants while contributing to improved employee satisfaction.

### 3 Super Markets

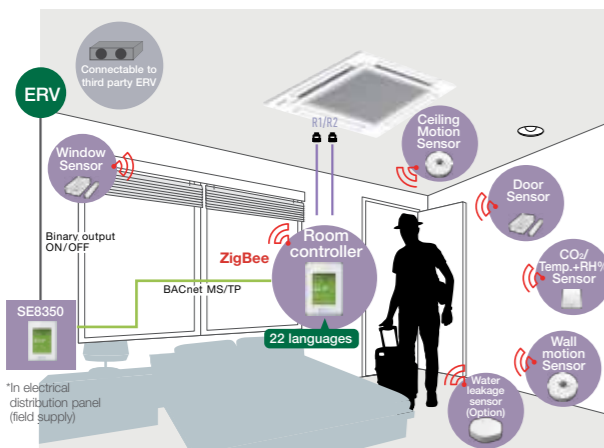


#### Humidity sensors

Humidity sensors enable automatic dehumidification for the optimum IAQ regardless of climatic conditions. This creates an even more comfortable environment for customers, employees, and products themselves.

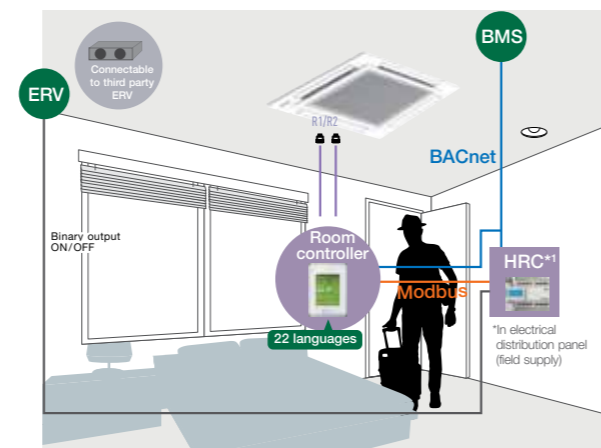
#### 1. Remote sensing & IAQ control

In addition to detecting a room's temperature, humidity and CO2 concentration, ZigBee remote sensors detect the opening/closing of windows and doors, and the presence/absence of people in a room. Various IAQ controls and detailed energy savings are possible by using SE8350 based on this detected information.



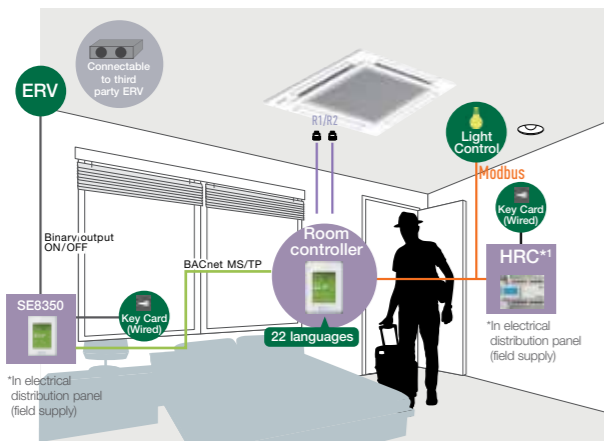
#### 2. BMS connectivity

By setting HRC\*1 as the guestroom controller, sensing, control and BMS connection can be realized in coordination with SER8150!



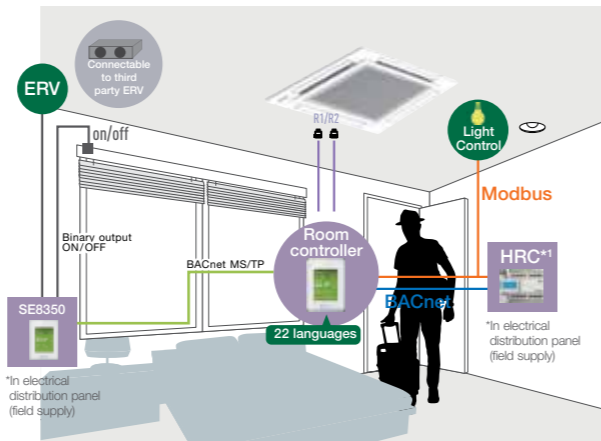
#### 3. Key Cardless control

The introduction of SE8350 and HRC enables conventional wired keycards to be connected to the system so that it is possible to meet the specific requirements of various hotel and room types.



#### 4. Other control

The introduction of SE8350 and HRC enables the on/off control of devices having dry contact input, such as ventilation, lighting and blinds.



## Innovative and Unrivalled Advantages

#### Colour and Design to Match Office Interiors

Colour combinations and design can be set to match different facilities.



#### Customisation in 22 Languages Possible

The display can be customised to match the native languages of guests to enable smooth, stress-free communication for hospitality at its finest.



#### Easy-to-Understand Error Description

Error description during an emergency is easy to understand, enabling staff to respond quickly.

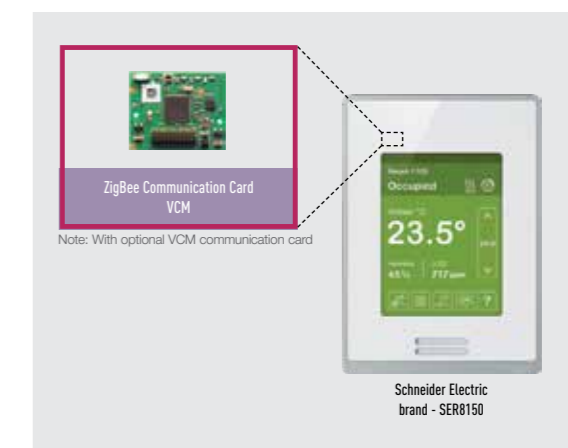


#### Programmable Logic

Full customisation of remote control logic possible, and updating to match conditions.



## Smart Connectivity Devices



- Features**
- Up to 5-year battery life batteries included (CO2 sensor is 10 years)
  - Battery level is a point
  - Sensor points visible when SER8150 is integrated via BACnet MS/TP
  - Sensor status and battery level visible when SER8150 is integrated via ZigBee® Pro

\*1 Available through a Schneider Electric distribution channel.

# Panasonic AC Smart Cloud

With Panasonic AC Smart Cloud, have your business under control, and start saving!



## Key functions and uniqueness

### Multi sites monitoring

- It doesn't matter how many sites you have, easy to manage, operate, compare sites, locations, rooms.



### Schedule setting

- Yearly / weekly / holiday timer setting as you want



### Powerful statistics for energy savings

- Power consumption, capacity, efficiency level can be compared with different parameters (Yearly / monthly / weekly / daily bases)



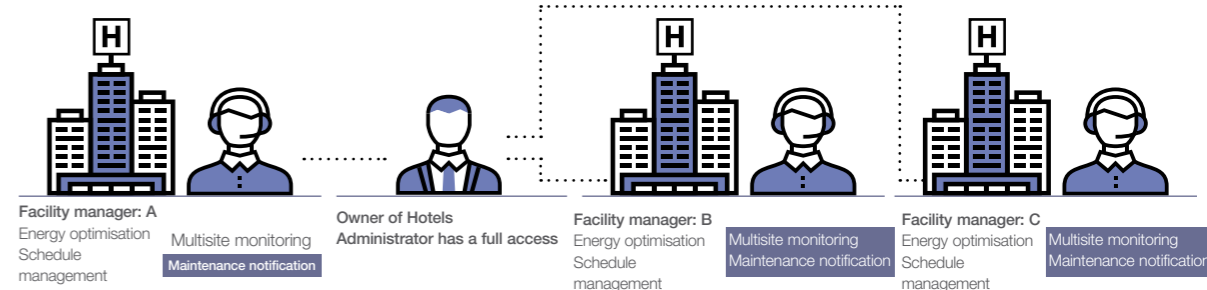
### Maintenance notification

- Error notification by email and with floor layout
- Maintenance notification of PAC / VRF outdoor units
- Remote service checker function



### User customisation\*2

Site administrator can create users as desired and assign customised profiles.

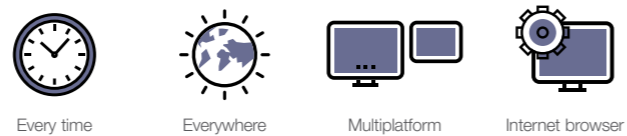


## Flexible and scalable solution

- Energy saving
- Zero downtime
- Site(s) management

Centralise control of your business premises, from wherever you are, 24/7/365. It doesn't matter how many sites you have, or where they are! The AC Smart Cloud system from Panasonic allows you to have complete control of all your installations, from your tablet or from your computer. In a simple click, all your units from several locations, receive status updates in real-time of all your installations, preventing breakdowns and optimising costs.

### Flexible solution for your business.



### Scalable solution for your business.



\*1 Customised to meet user demand / Continuous upgrades: new functions and product introductions / IT smart management.

## Panasonic AC Smart Cloud offers continuous improvement always thinking about users

### New e-CUT function

E-CUT functions are newly available in Panasonic AC Smart Cloud. 5 energy saving settings reduces automatically its energy consumption.

1. Set temperature auto return. When you want to return to the set temperature after a certain time even if the temperature is changed.

2. Unattended auto shut OFF. When you want to operate outside of a schedule but to monitor and stop automatically.

3. Set temperature range limit. When you want to limit the temperatures that can be set.

4. Energy saving timer / Efficient operation setting. Specify time slots when you want operation capacity reduced.

5. Demand / peak shaving settings/ Peak cut settings. Specify time slots when you want operation capacity of the outdoor units reduced.

## Main functions per user type

Function / Main Tab	Sub-Tab	Basic type (Eg.: Owners, facility managers)	Professional type (Eg.: Installers, maintenance companies)
AC setting	I_U / O_U operation details	✓	✓
	Cloud adapter (CZ-CFUSCC1) details	✓	✓
	AC maintenance	✓	✓
	Map view	✓	✓
Energy saving function	NEW e-CUT	✓	✓
	Yearly, weekly schedule setting / view	✓	✓
Schedule	Power consumption	✓	✓
	Capacity	✓	✓
Powerful statistics	Efficiency ranking	✓	✓

Function / Main Tab	Sub-Tab	Basic type (Eg.: Owners, facility managers)	Professional type (Eg.: Installers, maintenance companies)
Maintenance function	Notification overview / details	✓	✓
	Maintenance settings	✓	✓
	Map view	✓	✓
	Remote service checker	✓	✓
User account *2	New / update user registration	✓	✓
	Distribution group overview / details	✓	✓
System setting	Cut OFF request	✓	✓
	Map editor	✓	✓

\*2 Cloud service fee is additionally required. Please contact an authorised Panasonic dealer.

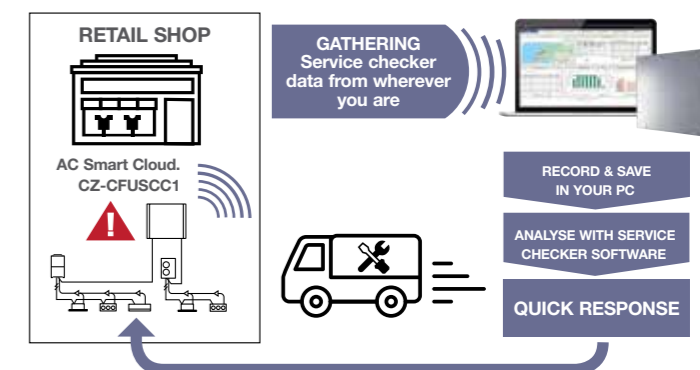
## Remote service checker function

**Zero down time**

- Quick analysis & response
- Time & Cost saving for service maintenance task

### Recording service checker parameters from wherever you are!

- Data duration: Maximum 120 minutes
- Data frequency: 10 - 90 seconds
- Mode selection: With test run or Without test run
- Count down schedule setting available



## Panasonic AC Smart Cloud parts lists


CZ-CFUSCC1 AC Smart Cloud communication adaptor. Up to 128 groups. 128 units control

Note: Please contact an authorized Panasonic dealer.


# Controllers

A wide variety of control options to meet the requirements of different applications.


### Next Generation Control Solutions



**Comfort Cloud**








**Smart Cloud Control**













**BMS Plug & Play**

Note: Additional accessories or devices are required. Please consult Panasonic for details.

OPERATION SYSTEM	INDIVIDUAL CONTROL SYSTEMS					
	Requirements	Simplified high-spec operation	Zone controller for residential	High-spec operation	Normal operation	Operation from anywhere in the room
External appearance						
Type, model name	Simplified high-spec Wired Remote Controller CZ-RTC6WBL*1 CZ-RTC6BL CZ-RTC6WBLW2*1 CZ-RTC6BLW2	Zone controller CZ-RTC6WZ2*1 CZ-RTC6Z2	Deluxe Wired Remote Controller CZ-RTC5B	Timer Remote Controller (Wired) CZ-RTC4A	Wireless Remote Controller Controller: CZ-RWS3 Receiver: CZ-RWRU3 CZ-RWRL3 CZ-RWRD3 CZ-RWRT3 CZ-RWRC3	
Built-in thermostat	●	●	●	●	—	
nanoe™ X on/off control <small>*not applies to Floor Console</small>	●	●	●	—	●	
ECONAVI on/off control	●	—	●	●	●	
Number of indoor units which can be controlled	1 group, 8 units	1 Unit	1 group, 8 units	1 group, 8 units	1 group, 8 units	
Use limitations	<ul style="list-style-type: none"> <li>CZ-RTC6WBL*1/CZ-RTC6BL : Up to 2 controllers can be connected per group(no combination possible with CZ-RTC6WBLW2*1/CZ-RTC6BLW2)</li> <li>CZ-RTC6WBLW2*1/CZ-RTC6BLW2 :Up to 1 controller can be connected per group</li> </ul>	<ul style="list-style-type: none"> <li>Up to 2 controllers can be connected Main/sub</li> </ul>	<ul style="list-style-type: none"> <li>Up to 2 controllers can be connected per group (When using ECONAVI sensor, only one remote controller is possible to connect at indoor unit)</li> </ul>	<ul style="list-style-type: none"> <li>Up to 2 controllers can be connected per group. (When using ECONAVI sensor, only one remote controller is possible to connect at indoor unit)</li> </ul>	<ul style="list-style-type: none"> <li>Up to 2 controllers can be connected per group.</li> </ul>	
Function ON/OFF	●	●	●	●	●	
Mode setting	●	●	●	●	●	
Fan speed setting	●	●	●	●	●	
Temperature setting	●	●	●	●	●	
Air flow direction	●	—	●	●	●*2	
Permit/Prohibit switching	—	—	—	—	—	
Weekly program	●*3	● <small>Comfort Cloud APP Only.</small>	●	●	—	





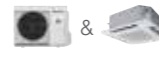
\*1 The above image is a new white model. Black models are also available.  
 \*2 Setting is not possible when a remote controller unit is present (use the remote controller for setting).  
 \*3 CZ-RTC6WBL\*1 or CZ-RTC6BL with H&C Control App, CZ-RTC6WBLW2\*1 or CZ-RTC6BLW2 with H&C Control App or Comfort Cloud App.

CENTRALISED CONTROL SYSTEMS			SMART CONTROL SYSTEMS		
Operation with various function from centre station	Only ON/OFF operation from centre station	Simplified load distribution ratio (LDR) for each tenant Touch screen panel	Connection with 3rd Party Controller	Cloud connectivity, operation from anywhere	Schneider Electric room controller
			<b>Seri-Para I/O unit for outdoor unit</b>  CZ-CAPDC2		
System Controller CZ-64ESMC3	ON/OFF Controller CZ-ANC3	Intelligent Controller CZ-256ESMC3 (CZ-CFUNC2)		WLAN Smart Adaptor Comfort Cloud App	PAC smart connectivity+
—	—	—	<b>Interface adaptor</b>  CZ-CAPC4	—	●
—	—	—		—	●
●	—	●	<b>Seri-Para I/O unit for each indoor unit</b>  CZ-CAPBC2	1 adaptor : 1 group, 8 units. Multiple adaptors for each indoor units : 200 units (10 location x 20 units)	1 group, 8 units
64 groups, max. 64 units	16 groups, max. 64 units	64 units x 4 links, max. 256 units		—	—
<ul style="list-style-type: none"> <li>Up to 10 controllers, can be connected to one system.</li> <li>Main unit/sub unit (1 main unit + 1 sub unit) connection is possible.</li> <li>Use without remote controller is possible.</li> </ul>	<ul style="list-style-type: none"> <li>Up to 8 controllers (4 main units + 4 sub units) can be connected to one system.</li> <li>Use without remote controller is impossible.</li> </ul>	<ul style="list-style-type: none"> <li>A communication adaptor (CZ-CFUNC2) must be installed for three or more links.</li> </ul>	<b>Communication Adaptor</b>  CZ-CFUNC2	<ul style="list-style-type: none"> <li>Mobile device, free App and internet router is required separately.</li> <li>Wired remote controller (master) required.</li> </ul>	<ul style="list-style-type: none"> <li>Comparing to RTC5B, up to 1 controller can be connected per IDU.</li> <li>Wired to R1/R2.</li> <li>VRF and PAC(S-link) model only.</li> </ul>
●	●	●		—	●
●	—	●	<b>LonWorks Interface</b>  CZ-CLNC2	●	●
●	—	●		●	●
●	—	●	—	●	●
●*2	—	●*2	—	●	●
●	●	●	—	—	—
●	—	●	—	●	—

Note: Product images not to scale.

### New wired RC & Monitor adaptor & App compatibility\*1

\*1 End User App Recommendation  
CZ-RTC6WBL\*2 - H&C Control App  
CZ-RTC6WBLW2\*3 - Comfort Cloud App

		Wired RC BLUETOOTH	Wired RC BLUETOOTH & WLAN	WLAN adaptor	Monitor adaptor for diagnosis
		 CZ-RTC6WBL*2 Bluetooth	 CZ-RTC6WBLW2*3 Bluetooth	 CZ-CAPWFC2 Wi-Fi	 New service checker Bluetooth
PZH2 / PZ2 series		✓	✗	✓	✗
NX series	PZ4 Series ODU ✗ NX series IDU	✓	✓	✓	✓
	PZH2 / PZ2 series ODU ✗ NX series IDU	✓	✓	✓	✗

\*2 A black model (CZ-RTC6BL) is also available.  
\*3 A black model (CZ-RTC6BLW2) is also available.  
Note: Power supply is available only when using NX IDU  
\*4 New Zone controller (CZ-RTC6WZ2\*) can be connected with 3.6 kW to 22.4 kW Ducted (PF3 and PE4) Indoors and VRF Ducted (M1, E1, E2, E1R, F2, F3 and Z1) Indoors.  
\*5 A black model (CZ-RTC6Z2) is also available.  
\*6 Connectable to selected Panasonic ducted models only, please consult Panasonic for more details

### Timer remote controller (CZ-RTC4A)



Dimensions  
H 120 x W 120 x D 20 mm

#### Basic remote controller ON/OFF

- Operation mode changeover (Cooling, Heating, Dry, Auto, Fan).
- Temperature setting (Cooling / Dry: 18-30 °C Heating: 16-30 °C).
- Fan speed setting H / M / L and Auto.
- Air flow direction adjustment.
- ECONAVI on / off\*7

#### Time Function 24 hours real time clock

- Day of the week indicator.

#### Weekly Programme Function

- A maximum of 6 settings/day and 42 settings/week can be programmed.

#### Outing Function

- This function can prevent the room temperature from dropping or rising when the occupants are out for a long time.

#### Sleeping Function

- This function controls the room temperature for comfortable sleeping.

#### Maximum 8 indoor units can be controlled from one remote controller

#### Remote control by main remote controller and sub controller is possible

Maximum 2 remote controllers (main remote controller and sub controller) can be installed for one indoor unit.

\*7 Depending on the model, some menus cannot be used.

Note: Product images not to scale.

### Wireless remote controller



For 4-WAY Cassette type  
CZ-RWS3  
+CZ-RWRU3



For all Ducted types  
CZ-RWS3  
+CZ-RWRC3



For Under Ceiling type  
CZ-RWS3  
+CZ-RWRT3

#### Remote control by main remote controller and sub controller is possible

- Maximum 2 remote controllers (main remote controller and sub controller) can be installed for one indoor unit.

#### When CZ-RWS3+CZ-RWRC3 is used, wireless control becomes possible for all indoor units

- When a separate receiver is set up in a different room, control from that room also becomes possible.
- Automatic operation by means of the emergency operation button is possible even when the remote controller has been lost or the batteries have been exhausted.

#### In addition, there are other functions such as temperature setting, operation switching, wind direction/fan speed setting, etc

#### Ventilation independent operation is possible

When commercial ventilation fans or heat-exchange ventilation fans have been installed, they can be operated with this remote control (interlocked operation with the indoor unit or independent ventilation ON/OFF).

Note: Product images not to scale.

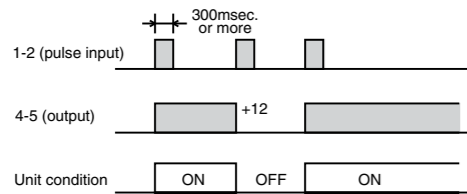
# T10 Terminal for External Control (Digital Connection)

Connecting an indoor unit to an external device is easy. The T10 Terminal featured in the electronic circuit board of all indoor units enables digital connection to external devices.



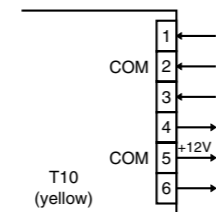
## 1. T10 Terminal Specification (T10:CN061 at indoor unit PCB)

- Control items:
  1. Start/stop input
  2. Remote controller prohibit input
  3. Start signal output
  4. Alarm signal output



NOTE: The wire length from indoor unit to the Relay must be within 2.0m. Pulse signal changeable to static with JP cutting. (Refer to JP001)

### Example of wiring



### Condition

- 1-2 (Pulse input): Unit ON/OFF condition switching with a pulse signal. (1 pulse signal: shortage status more than 300msec.or more)
- 2-3 (Static input): Open/ Operation with Remote is permitted.(Normal condition) Close/ Remote controller is prohibited.
- 3-4-5 (Static output): 12V output during the unit ON. / No output at OFF.
- 4-5-6 (Static output): 12V output when some errors occur / No output at normal.

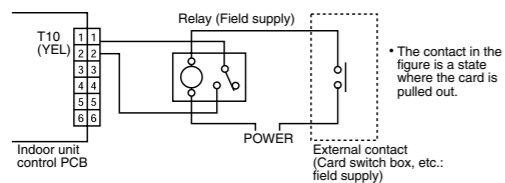
## 2. Usage Example

### Forced OFF control

#### Condition

1-2 (Static input): Close/ Operation with Remote is permitted. (Normal condition) Open/ Unit is forcibly OFF and Remote controller operation is prohibited.

#### Example of wiring



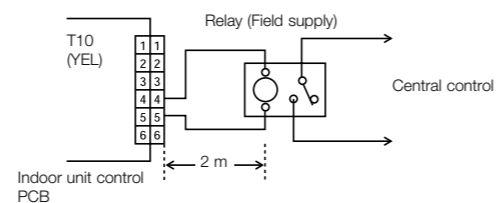
Note: The wire length from indoor unit to the Relay must be within 2.0m

### Operation ON/OFF signal output

#### Condition

4-5 (Static output): 12V output during the unit ON / No output at OFF

#### Example of wiring



Note: The wire length from indoor unit to the Relay must be within 2.0m. Pulse signal changeable to static with JP cutting. (Refer to JP001)