

PACKAGED AIR CONDITIONERS R32 Cooling Only



nanoeX



Comfort Cloud

CONEX

INVERTER

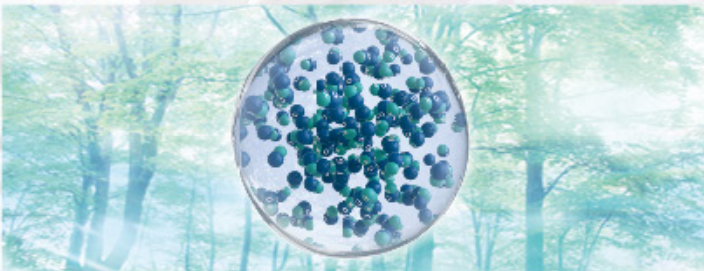
R32
REFRIGERANT

Making Social Spaces Comfortable and Enjoyable

Panasonic packaged air conditioners incorporate the unique nanoe[®] technology as a standard feature. This technology helps deodorise and inhibit bacteria and viruses to improve the quality of the room air. In addition, the fast cooling system powered by the high-performance turbo fan combined with the exceptional energy efficiency of the R32 refrigerant makes it environmentally friendly. Panasonic helps transform cafes, restaurants, gyms and any place where people gather into a richer and friendlier environment.



nanoe^x



Nearly all models are equipped with nanoe^x technology, which is effective on adhered pollutants, deodorises, and inhibits bacteria and viruses to provide 24 hours of quality air.

CONEX



CONEX offers IoT integration that connects directly to a variety of apps for next-generation solutions. Easy control and access for end users, installers, and service partners with just one remote.



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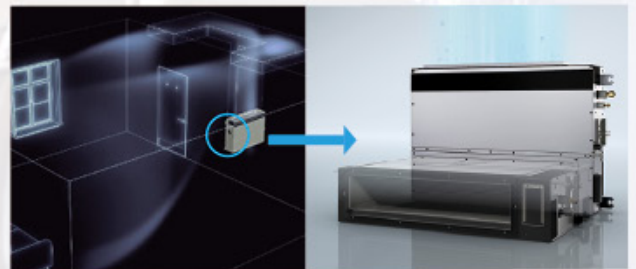
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Operation Range



The operating range of the new NX series expanded up to outdoor air temperature of 52°C. Even in an extremely hot environment like Asian countries, they operate powerfully with its toughness.

Adaptive Ducted

























New NX Series Adaptive Ducted units can be mounted not only horizontally but also vertically without the need for alterations. Our ground-breaking drain pan design delivers a new level of flexibility in an industry-leading vertical installation.

Cooling Only Model Line-Up






R32
REFRIGERANT

A wide line-up to fit your needs

The wide line-up suits a variety of applications, in offices, classrooms, restaurants, shops, and more. And all outdoor units are now 1-Fan types, making them smaller and lighter than previous models. Installation and construction are also easier.



Product	nanoe [®] X	Inverter	Capacity	
			16,700-17,100	20,100-20,500
NEW 4-WAY CASSETTE NX SERIES DELUXE >>> P.22-23			 S-1821PU3HA	 S-1821PU3HA
NEW 4-WAY CASSETTE NX SERIES STANDARD >>> P.24-25			 S-1821PU3H	 S-1821PU3H
NEW ADAPTIVE DUCTED NX SERIES DELUXE/STANDARD >>> P.28-31			 S-1821PF3H	 S-1821PF3H
NEW CEILING SUSPENDED NX SERIES DELUXE/STANDARD >>> P.32-35			 S-1821PT3H	 S-1821PT3H
OUTDOOR UNIT NEW 4-WAY CASSETTE ADAPTIVE DUCTED CEILING SUSPENDED NX SERIES DELUXE >>> P.36 (Dimension data)			 U-18PRH1H5	 U-21PRH1H5
OUTDOOR UNIT NEW 4-WAY CASSETTE ADAPTIVE DUCTED CEILING SUSPENDED NX SERIES STANDARD >>> P.37 (Dimension data)			 U-18PR1H5	 U-21PR1H5

* For specifications of outdoor units, please refer to the page of each compatible indoor unit.

Product	nanoe [®] X	Inverter	Capacity	
			17,500-18,500	24,600-25,000
NEW 4-WAY CASSETTE >>> P.26-27		NON-INVERTER	 S-19PU1H5B	 S-25PU1H5B
OUTDOOR UNIT NEW 4-WAY CASSETTE >>> P.38-39 (Dimension data)		NON-INVERTER	 U-19PN1H5	 U-25PN1H5







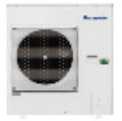
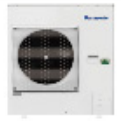
* For specifications of outdoor units, please refer to the page of each compatible indoor unit.

Capacity (Btu/h)

24,200-24,600	29,000	34,100	39,200-42,700	47,800
 S-2430PU3HA		 S-3448PU3HA	 S-3448PU3HA	 S-3448PU3HA
 S-2430PU3H	 S-2430PU3H	 S-3448PU3H	 S-3448PU3H	 S-3448PU3H
 S-2430PF3H	 S-2430PF3H	 S-3448PF3H	 S-3448PF3H	 S-3448PF3H
 S-2430PT3H	 S-2430PT3H	 S-3448PT3H	 S-3448PT3H	 S-3448PT3H
 U-24PRH1H5		 U-34PRH1H5	 U-43PRH1H5/U-43PRH1H8*	 U-48PRH1H5/ U-48PRH1H8*
 U-24PR1H5	 U-30PR1H5	 U-34PR1H5	 U-43PR1H5/ U-43PR1H8*	 U-48PR1H5/ U-48PR1H8*

* 3 Pha

Capacity (Btu/h)

30,000	36,000-36,500	42,600	48,500
 S-30PU1H5B	 S-36PU1H5B	 S-42PU1H5B	 S-50PU1H5B
 U-30PN1H5/ U-30PN1H8*	 U-36PN1H8*	 U-42PN1H8*	 U-50PN1H8*

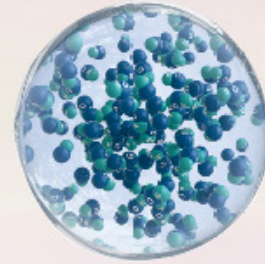
* 3 Pha

The Unique nanoe[®] X Technology

Bringing Nature's Balance Indoors

The well-being benefits of nature are well known
- But do you know the power of hydroxyl radicals?

Abundant in nature, hydroxyl radicals (also known as OH radicals) inhibit pollutants, viruses and bacteria to clean and deodorise. nanoe[®] X technology can bring these incredible benefits indoors so that hard surfaces, soft furnishings, and the indoor environment can be a clean and pleasant place to be, whether at home, at work, visiting hotels, shops or restaurants.



Hydroxyl radicals contained in water

7 Effects of nanoe[®] X : Creating Cleaner Environments

nanoe[®] X inhibits 5 types of pollutants, deodorises and moisturises thanks to the action of hydroxyl radicals contained in water.



The evidence page of nanoe[®] X effect

Deodorises



Odours

Inhibits 5 types of pollutants



Bacteria & Viruses



Mould



Allergens



Pollen



Hazardous substances

Moisturises



Skin & Hair

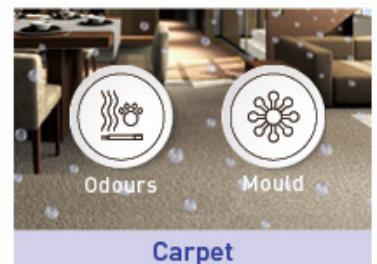
24-hour nanoe[®] X Air Protection

Get 24 hours of quality air for you and your loved ones by turning nanoe[®] X on using Panasonic Comfort Cloud anywhere, anytime. nanoe[®] X functions in the cooling mode and is maintenance-free, helping you enjoy cleaner air while keeping your costs down.



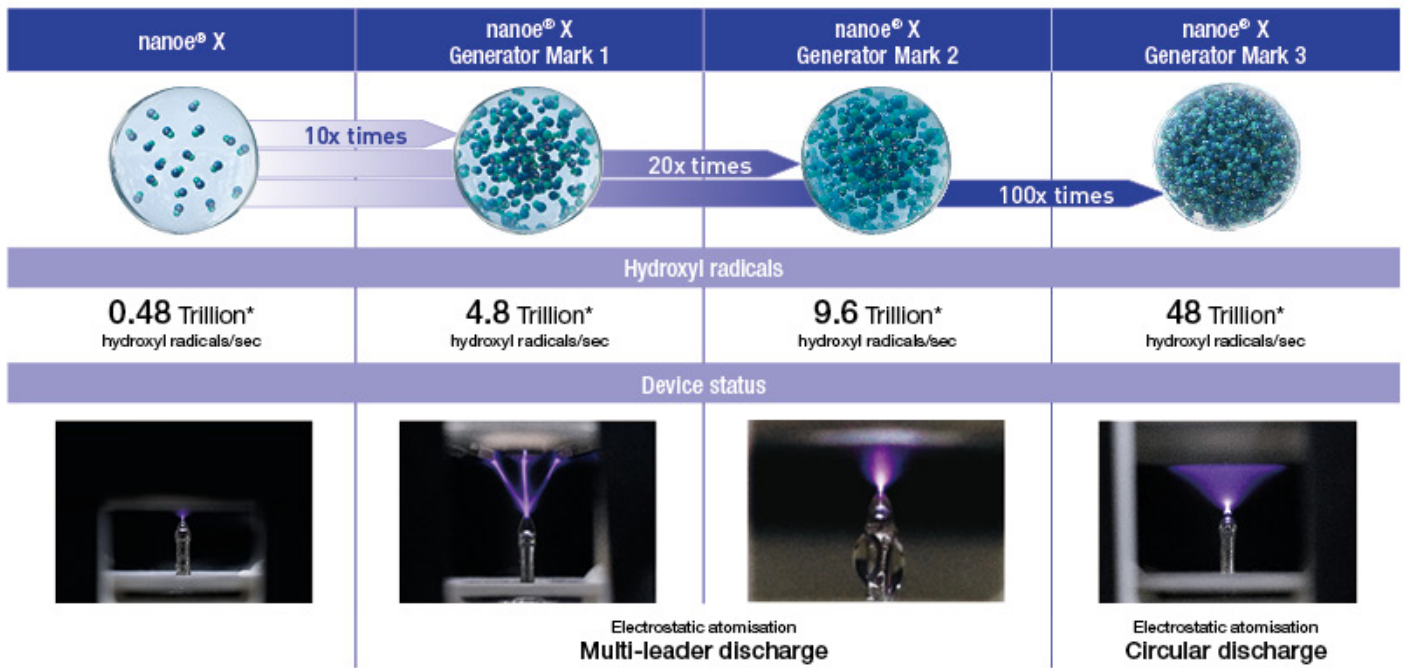
Effective on Adhered Pollutants

- Nano-sized OH radicals penetrate deep into fabrics.
- OH radicals denature malignant substances.
- No purifying filters are required, because OH radicals extensively spread out through the room to inhibit adhered pollutants.



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 m² with greater effectiveness.



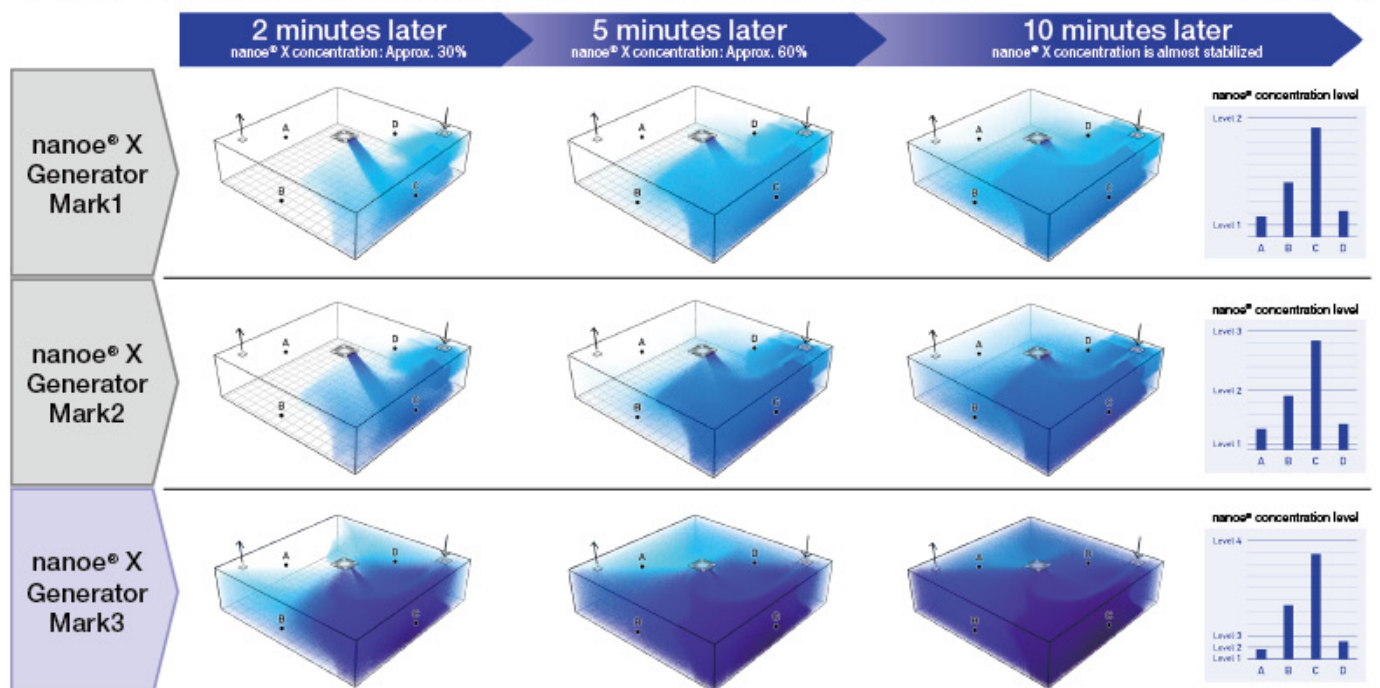
* Measured using the ESR method (amount of hydroxyl radicals immediately after release from the generator. (Source: Panasonic internal research))

Higher nanoe[®] X Concentration, Even in Large Spaces

nanoe[®] X Generator Mark 3 providing a 100-fold increase in hydroxyl radical generation*. Greater effectiveness even in large spaces of more than 100 m². * Compared to original nanoe[®].

nanoe[®] X Concentration Simulation: Generator Mark 3 for Highest Concentration Levels

nanoe[®] concentration level
1 2 3 4



Conditions of the simulation : Verification space: 168 m² / Room size: 70 m² / Room height: 2.4 m / Inspection model: 4-way cassette / Position of IDU: Centre

* There are 7 key benefits provided by nanoe which commence when concentration reaches Level 1. The concentration level affects the speed at which the benefits occur. Concentration level 2 is 10 times the concentration of level 1, and concentration level 3 is 20 times the concentration of level 1. ** The results shown are for simulation purpose only and concentration may vary due to actual room conditions

The Unique nanoe® Technology

Third-party Certification of nanoe® X Generator Mark 3

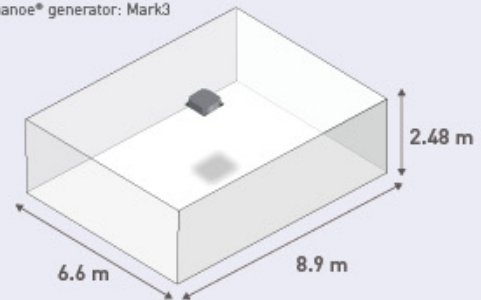


Test Overview

- Test organisation: SGS Inc.
- Test target: E. coli bacteriophage/cigarettes odour
- Type of IDU: 4-way cassette
- Test room: 139m³
- Report No: SHES210901902584

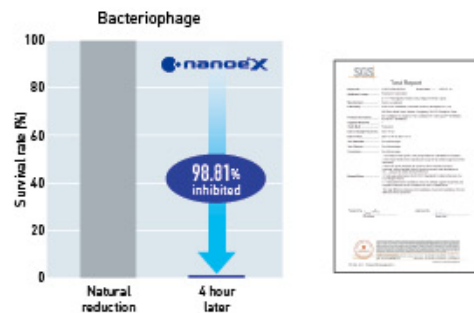


- Room shape: Rectangle -Room size: 56 m²
- Short side length: 6.6 m -Room height: 2.48 m
- Position of indoor unit: -Center of the room
- Type of nanoe® generator: Mark3



The nanoe® X Generator Mark 3 inhibited virus (Escherichia coli bacteriophage MS2) of over 98% (139m³)

- Report No: SHES210901902584
- Issued date: 2022-07-18
- Manufacturer: Panasonic Corporation
- Laboratory: SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. 588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China

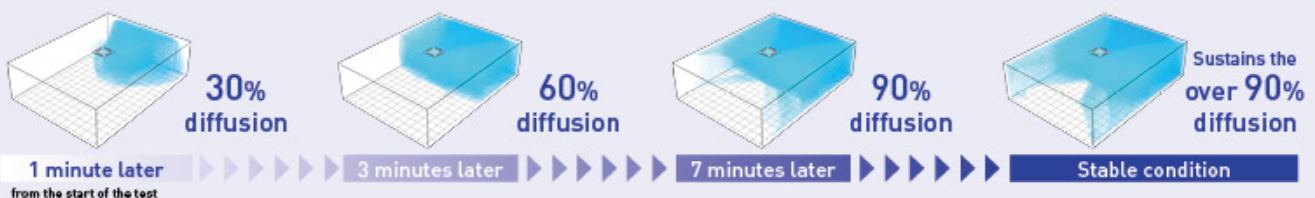


The nanoe® X Generator Mark 3 reduced adhering ageing odour(139m³)

- Report No: SHES210901902478
- Issued date: 2022-07-18
- Manufacturer: Panasonic Corporation
- Laboratory: SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. 588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China



Transition of the nanoe® X diffusion during the test



* Images are for illustrative purposes only.

nanoe® X Helps to Solve Management Issues

Focus on management issues from each industrial category. The nanoe®X technology provides solutions to the challenges of the future state and management of facilities.

Office

issue **How to realise sustainable office**

We don't want only to have a comfortable office, we want a sustainable office. We have tried several products for cleaning; 95% of the products were not sustainable or used chemicals. It will kill the bacteria, but it will also kill my furniture after a month of use.

Solutions **High-quality air improves comfort and productivity**



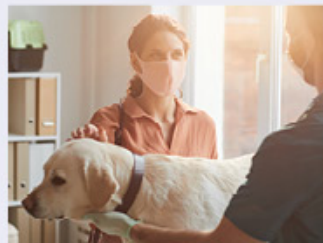
- Sustainable office design
- Co-working establishment of spaces

Veterinary clinic

issue **Trouble between pets**

Animals have a highly refined sense of smell, dogs for example are up to 100,000 times more sensitive to smells than humans, and that makes them particularly responsive to odours left by other animals.

Solutions **Also stress-free deodorisation for animals**



- Deodorisation of pet odour is essential
- Diffusers are stressful for odour-sensitive animals

Supermarket

issue **Keeping areas where food/drinks are handled clean**

We have a certain smell because of our products anyways, when you go to an organic store, it has the smell of nature, and people enjoy it. So we use only organic cleaning products without chemicals, we use them for store cleaning.

Solutions **Naturally improved air quality ideal for food-serving spaces**



- Longer in-store stays and increased customer traffic due to the good smell of organic products.

Restaurant

issue **Improving reputation among customers**

The cleanliness of the restaurant was paramount to the appearance of the entrance and surroundings. However, it was found that guests were most interested in the cleanliness of the crockery used and the odour of the restaurant.

Solutions **24-hour air conditioning control and deodorisation with Comfort Cloud**



- Guests are very sensitive to odours inside restaurants
- Owners are less concerned about odour in the shop



Panasonic
Comfort Cloud App

Comfort Cloud

NX Series **NEW**

INVERTER

R32
REFRIGERANT



- New DELUXE 4-Way Cassette, equipped with nanoe[®] X technology (Mark 3)
- Other indoor units are equipped with nanoe[®] X technology (Mark 2) as standard
- The NX series features DELUXE and STANDARD series models.

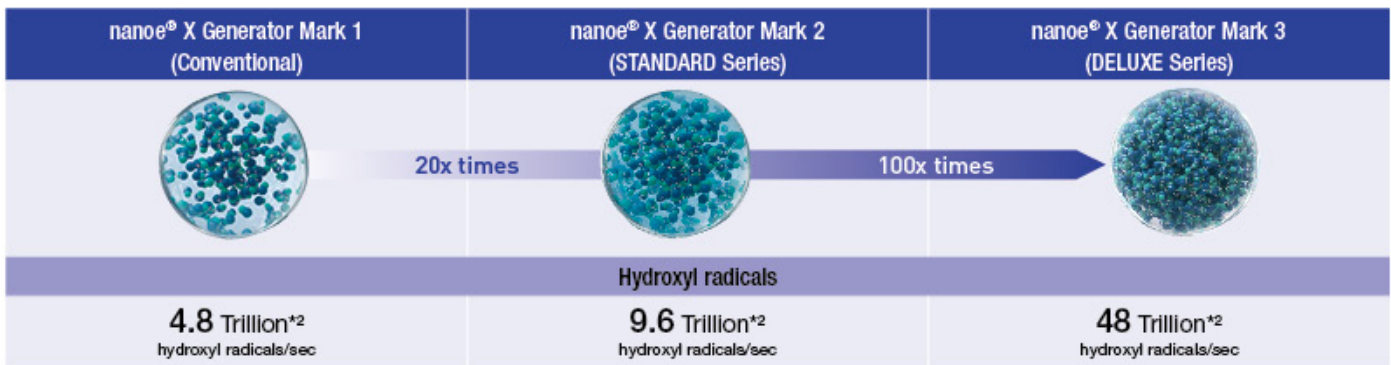
Product	Capacity [Btu/h]							
	16,700-17,100	20,100-20,500	24,200-24,600	29,000	34,100	39,200-42,700	47,800	
NEW 4-WAY CASSETTE NX SERIES DELUXE   		S-1821PU3HA	S-2430PU3HA	S-3448PU3HA				
NEW 4-WAY CASSETTE NX SERIES STANDARD   		S-1821PU3H	S-2430PU3H	S-3448PU3H				
NEW ADAPTIVE DUCTED NX SERIES DELUXE/STANDARD   		S-1821PF3H	S-2430PF3H	S-3448PF3H				
NEW CEILING SUSPENDED NX SERIES DELUXE/STANDARD   		S-1821PT3H	S-2430PT3H	S-3448PT3H				
NEW Outdoor DELUXE  		U-18PRH1H5	U-21PRH1H5	U-24PRH1H5	—	U-34PRH1H5	U-43PRH1H5	U-48PRH1H5
NEW Outdoor STANDARD  		—	—	—	—	—	U-43PRH1H8*1	U-48PRH1H8*1
		U-18PR1H5	U-21PR1H5	U-24PR1H5	U-30PR1H5	U-34PR1H5	U-43PR1H5	U-48PR1H5
		—	—	—	—	—	U-43PR1H8*1	U-48PR1H8*1

Note: DELUXE and STANDARD Series indoor units can only be connected to outdoor units of the same series.

Differences between DELUXE and STANDARD 4-Way Cassette

The DELUXE and STANDARD series differ in terms of nanoe[®] effectiveness, energy efficiency and operating temperature, depending on the project requirements.

Differences	STANDARD Series	DELUXE Series
nanoe [®] X	Generator Mark 2	Generator Mark 3
CONEX	Connectable	Connectable
COP	Ave. 3.38	Ave. 4.15
CSPF	Ave. 5.80	Ave. 6.50
Operation range	16 - 46°C	16 - 52°C
Piping length	24,200Btu or less 5-30m 29,000Btu and above 5-50m	5-50m for all range

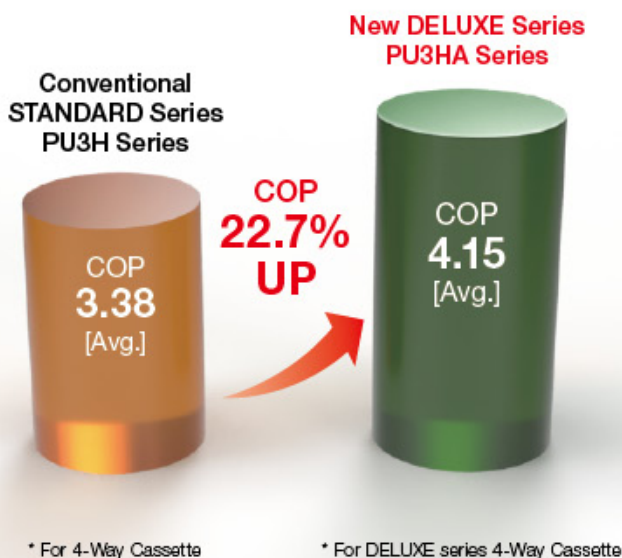


*² Measured using the ESR method (amount of hydroxyl radicals immediately after release from the generator). (Source: Panasonic internal research)

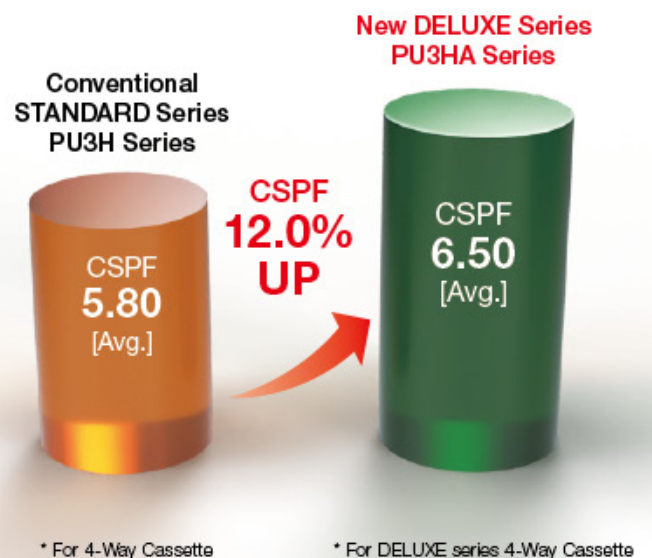
High Energy Efficiency to Save Power Consumption

NX series has 2 Line-up DLX & STD series, choose STD and DLX series depend on the project requirements. For DLX series, the Coefficient of Performance has been especially improved to reduce power consumption.

■ COP Comparison

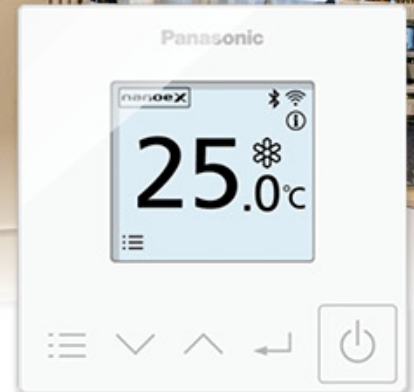


■ CSPF Comparison



Smart Connect with CONEX

NEW



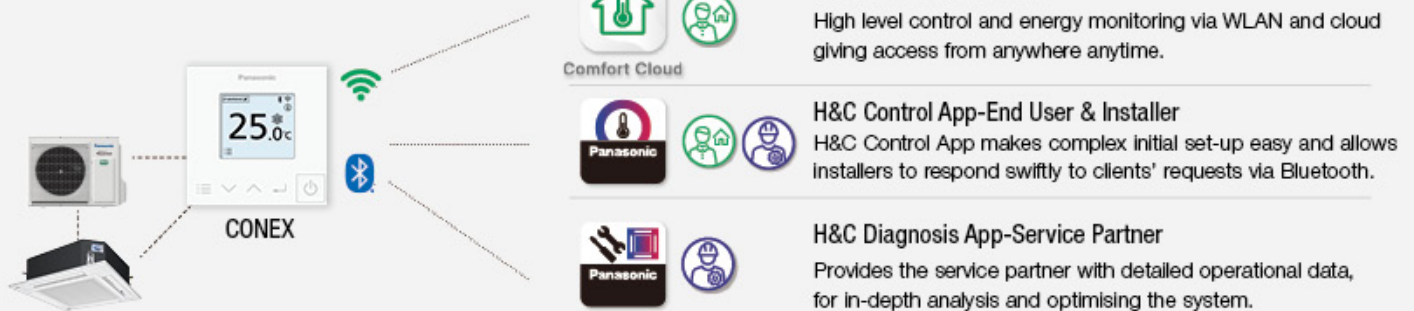
CONEX

A next-generation remote control solution with smart apps

CONEX offers IoT integration that connects directly to a variety of apps for next-generation solutions. Easy control and access for end users, installers, and service partners with just one remote.

CONEX Control

New smart design with built-in BLE & WLAN model.



■ For End Users



Remote operation via Wireless LAN

With the Comfort Cloud App, you can maintain your own custom air quality even when you're outside.



Intuitive operation for easy configuration

It is very easy to customize settings and perform operations including initial controller configuration such as weekly timer.



Comfort day to day operations

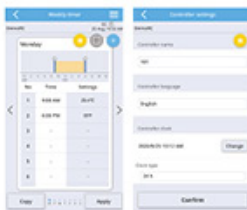
H&C Control App makes complex initial set-up easy via Bluetooth.

■ For Installers



Detailed operation and maintenance setting

H&C Control App makes complex initial set-up easy and allows installers to respond swiftly to clients' requests via Bluetooth.



Intuitive operation for easy configuration

Simplified initial controller configuration together with easy access to comprehensive settings including weekly timer and maintenance.



Quicker configuration for multiple controllers

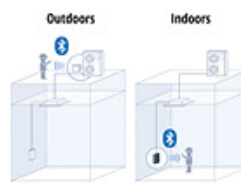
Save time with templates - Copy weekly timers and settings to multiple controllers.

■ For Service Partners



Diagnosis and trouble shooting






The H&C Diagnosis app allows users to intuitively browse current stats and information about the air conditioners via Bluetooth.



Diagnosis from both indoor and outdoor

With CONEX, operation status can be checked and failure can be diagnosed from both indoor and outdoor units even when site access may be difficult for either indoor or outdoor unit.

NX Series Remote Controller Information

Compatibility Table		
CONEX Type	CZ-RTC6WBLW2 Built-in BLE & WLAN	CZ-RTC6W
		 <small>*Black color also available (CZ-RTC6)</small>
App		○
		○
		○

■ Wireless Remote Controller

For 4-Way Cassette & Ceiling Suspended



Packaged with Indoor unit

■ Wired Remote Controller



CZ-RTC6WBLW2
CZ-RTC6W
CZ-RTC6 (Black)

CZ-RTC5B

CZ-RTC4A

NX Series

4-WAY CASSETTE **NEW**

Industry-leading Powerful Airflow

The Turbo Fan with Twisted 3D Blades provides a large and powerful airflow to cool every corner of the room.



R32 Inverter 4-Way Cassette

Capacity Class (k Btu/h)		17.1	20.5	24.2	29.0	34.1	42.7	47.8
Airflow Volume (m³/min)	DELUXE Series	25.0	25.0	25.0	—	36.4	36.4	36.4
	STANDARD Series	25.0	25.0	25.0	25.0	36.4	36.4	36.4

Twisted 3D Blade Turbo Fan

Conventional*



Ø490



NEW Model



Ø485

Twisted 3D Blade

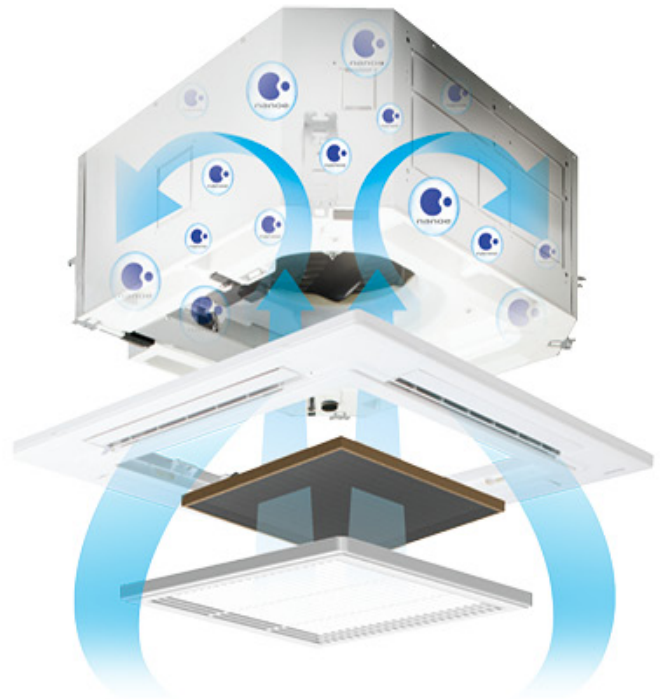
Airflow 10%UP
under the same sound pressure level.

*Comparison between conventional models in Malaysia (CS-D**DB4H5).

Internal Cleaning Function for New 4-Way Cassette

Operate the Fan to Circulate nanoe® X Internally

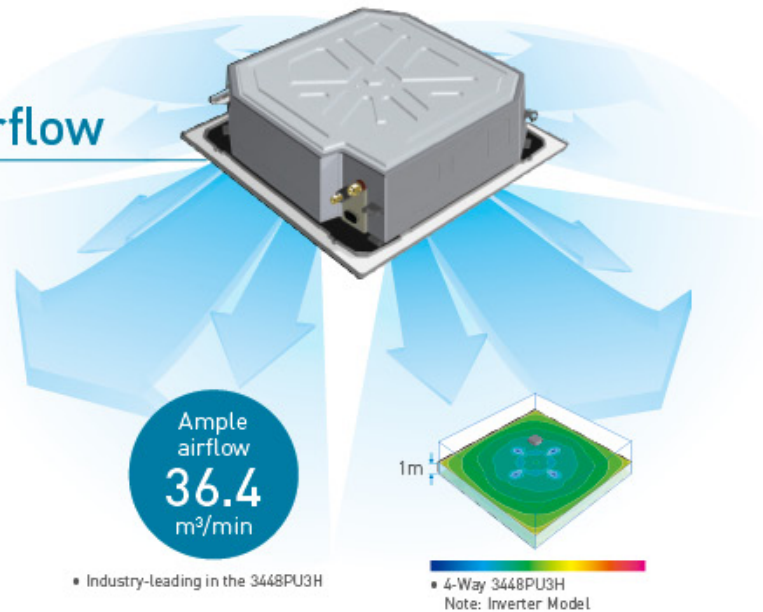
After cooling/drying operation, the inside of the indoor unit is automatically dried. nanoe® X is activated to suppress mould growth and to reduce odour.



360° Wide & Comfortable Airflow

Air from the center is sent farther and the air blown out of the wide side flaps spreads throughout the room. The air comes from all four sides of the unit and expands gently in a circle centered on the indoor unit.

Wide Flap

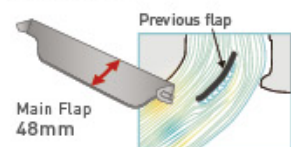


Long Airflow

Adding a sub flap and widening the main flap have reduced turbulence and increased airflow. Also, the wider angle jetting port allows the airflow to reach as far as five meters.

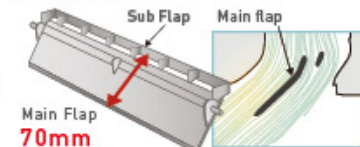
Large Flap and Sub Flap

Conventional*



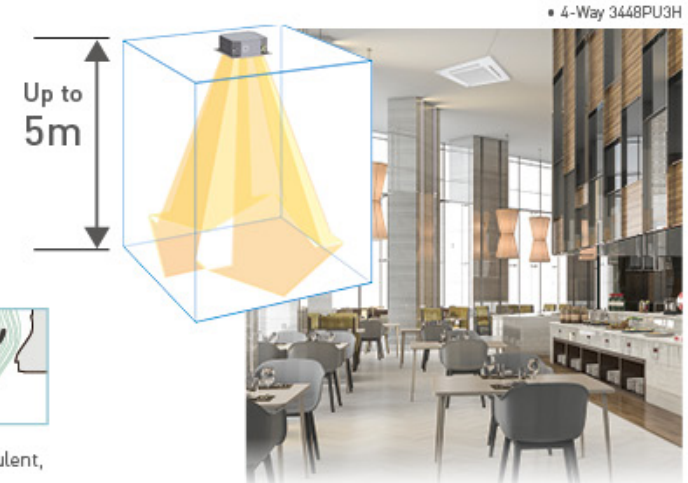
As the airflow becomes more turbulent, the airflow velocity is decreased.

NEW Model



As the airflow becomes less turbulent, the airflow velocity is increased.

*Comparison between CS-D**DB4H5 models.



4-Way 3448PU3H

Quality

Equipped with double insulation

To prevent dew condensation in humid conditions, the indoor unit of Panasonic packaged air conditioners has both inside and outside heat insulators.

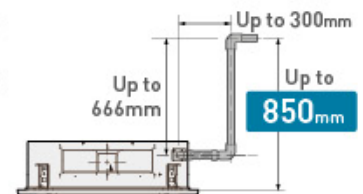


No dew condensation

Installation

A strong and quiet drain pump

The drain pump can pump water up to a height of 850mm, making drain pipe layout easy.



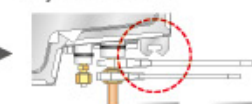
Easy installation design

For easier installation, the design allows space to use tools without damaging the interior. Also, by improving the bracket's shape into a V-shape, it is easier to hook the anchor bolts.

Too narrow to use the tool



Easy to use the tool



Non-inverter

4-WAY CASSETTE **NEW**



Average
30.7
m³/min

Industry-leading Powerful Airflow

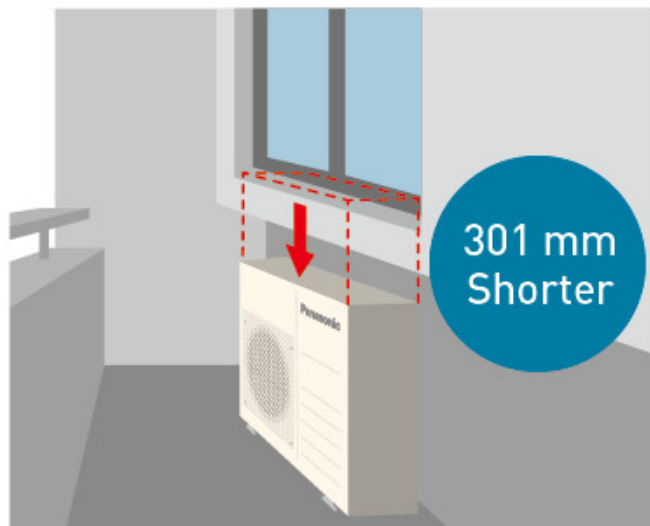
The Turbo Fan with Twisted 3D Blades provides a large and powerful airflow to cool every corner of the room.

Capacity Class (k Btu/h)	18.5	25.0	30.0	36.0	42.0	48.5
Airflow Volume (m ³ /min)	25.0	25.0	25.0	36.4	36.4	36.4

More Efficient, Less Space

While maintaining its strong power, higher energy efficiency of R32, coupled with Panasonic's technology, the ingenious design allows for a more compact outdoor unit that fits into any apace and layout.

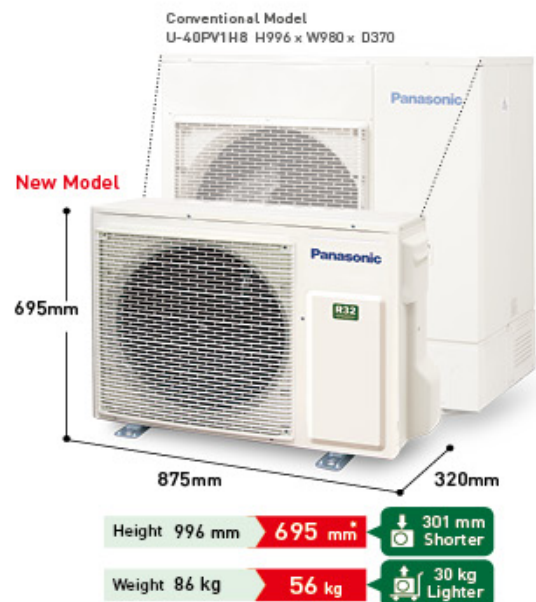
Can be installed in the limited space



301 mm Shorter

30–36k Btu/h Model

U-30PN1H5 / U-30PN1H8 / U-36PN1H8

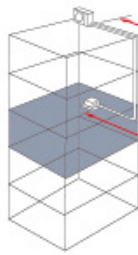


* Comparison between U-40PV1H8 and U-36PN1H8.
Note: Only for R32NonINV PN1 series

Installation

Long piping

The maximum charge-less piping length is 7.5m, but it can be extended up to 50m with additional gas charging for greater installation flexibility.



Max.*1
50m Pipe length
Max.*2
30m Height
difference

*1 Supports for
U-42PN1H8 / U-50PN1H8
*2 Supports for
U-30PN1H5 / U-30PN1H8
U-36PN1H8 / U-42PN1H8
U-50PN1H8

Piping length

BTU	19-25k	30-36k	42-50k
Max. Pipe Length	30 m	45 m	50 m
Max. Charge-less Length #	7.5 m	7.5 m	7.5 m
Max. Height Difference	20 m	30 m	30 m

Additional gas is required when pipe length is extended.

Easy installation design

For easier installation, the design allows space to use tools without damaging the interior. Also, by improving the bracket's shape into a V-shape, it is easier to hook the anchor bolts.



Too narrow to use the tool

Easy to use the tool

V-shape bracket

Maintenance

Service maintenance

• Single phase only.

The PCB inside the outdoor unit has been removed, allowing easy installation and service maintenance.

Supports for U-19PN1H5 U-25PN1H5 U-30PN1H5



Removed PCB
to avoid interference



No
Electrical
Short Circuit

Remote Controller

Precise Control, Easy Comfort

*Available for
R32 Non-inv. PN1 series only.

Panasonic Single-split Packaged Air Conditioner Remote Controllers are designed with user convenience in mind. Multiple settings are available so airflow and air quality can be regulated according to preferences. Users can also opt for a wired remote controller equipped with a high-performance timer.



Wireless Remote
Controller / Receiver

*A wireless remote controller/
receiver is in the same package
with the indoor unit.

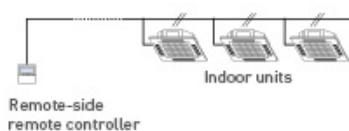


Wired Remote Controller
CZ-RD513C (Optional)



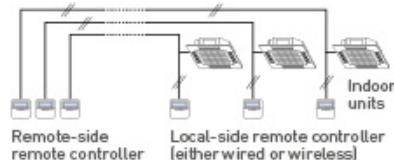
Settings can be regulated with 3 control options:

Group Control by a Single Wired Remote Controller



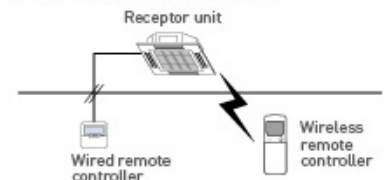
• All indoor units operate in the same mode.

Separate Control by Twin Wired Remote Controllers



- Each indoor unit can be operated by either of the two wired remote controllers.
- Apart from the timer setting time, the displays for the two wired remote controllers are identical.
- The last button pressed has priority.
(The main or slave attribute is set with the wired remote controller)

Common Control by Both Wired and Wireless Remote Controllers



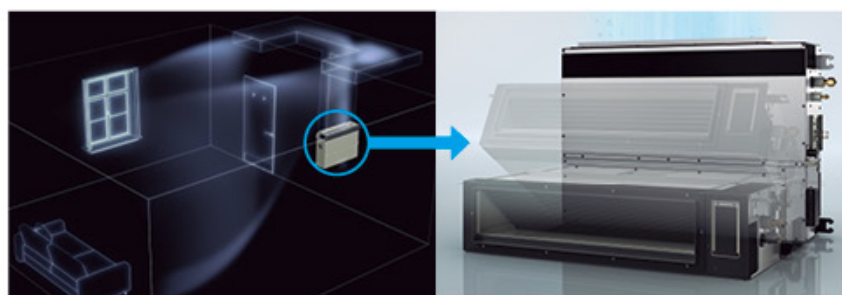
- The last button pressed has priority
(Using either wired or wireless remote controllers).

NX Series

Flexible Installation Adaptive Ducted

NEW ///

New NX Series Adaptive Ducted units can be mounted not only horizontally but also vertically without the need for alterations. Our ground-breaking drain pan design delivers a new level of flexibility in an industry-leading vertical installation.

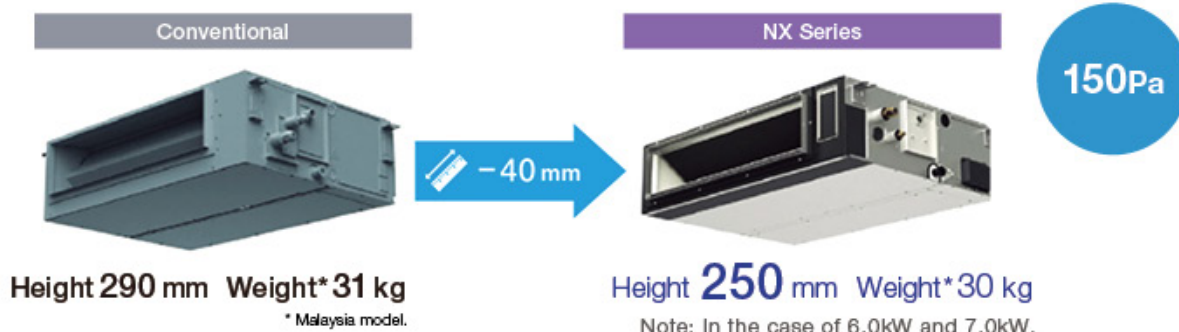


Compact Body with Powerful 150 Pa ESP

The indoor units have also been completely renewed, offering a 40 mm height reduction to only 250 mm* and a weight reduction of up to 10%, all while maintaining the same powerful 150 Pa.

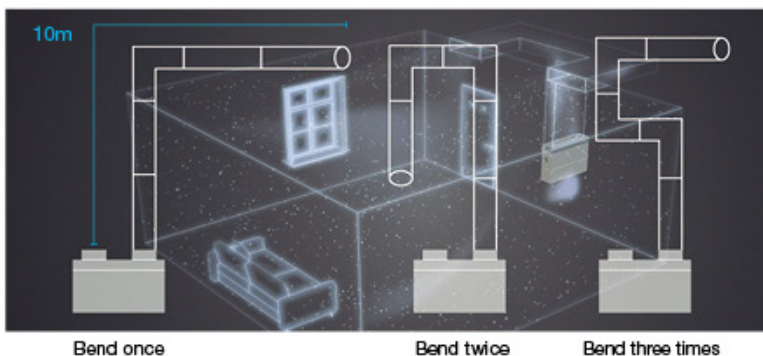
* Compared to conventional model in Malaysia.

Space saving 250 mm height



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.

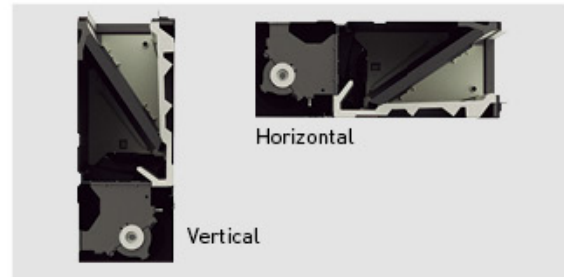
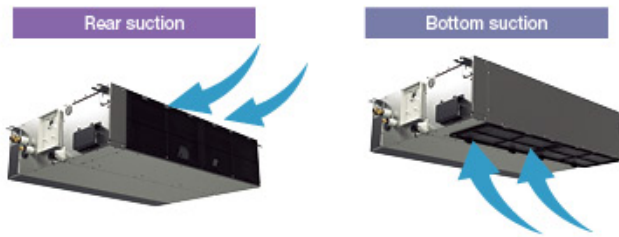


Based on in-house test result, even with a total ductwork length up to 10m, effectiveness of nanoe™ X is maintained.

Note: PF3 and PE3 (16.0kW and below) ranges only.

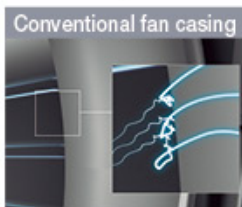
Compact Body with 150Pa ESP

- The air inlet angle is also adjustable to the bottom.



Quiet Comfort

- Low noise operation using on improved fan casing



* Malaysia model.



Ideal for hotel and guest rooms

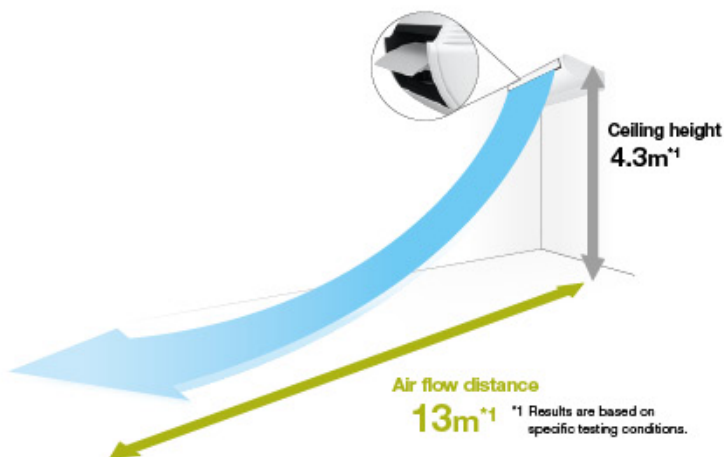
NX Series

Ceiling Suspended **NEW**

Comfortable, Long-Distance Airflow Distribution

- Long-Distance Airflow up to 13m (* If use 3448 type Indoor unit)

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.

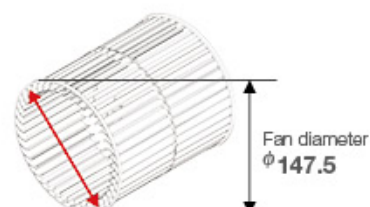


Top-class Efficiency

New DC fan motor



Large Diagonal Air Flow Fan



Other Functions

Next Generation R32 Refrigerant

Compared to R22 and R410A, R32 has a very low potential impact on the depletion of the ozone layer and global warming. While maintaining its strong power, higher energy efficiency of R32, coupled with Panasonic's technology, the ingenious design allows for a more compact outdoor unit that fits into any space and layout.



Professional air conditioners with R32 refrigerant.

Panasonic recommends R32, with lower Global Warming Potential (GWP). Compared to R22 and R410A, R32 has a low potential impact on global warming.

Panasonic takes action in helping to protect the environment. In line with the European countries participating in the Montreal Protocol, protecting the ozone layer and preventing global warming, Panasonic is leading the switch to R32.



Installation innovation

- Extremely easy to install, practically the same as R410A
- Single substance refrigerant, which makes it easier to recycle and reuse

Environmental innovation

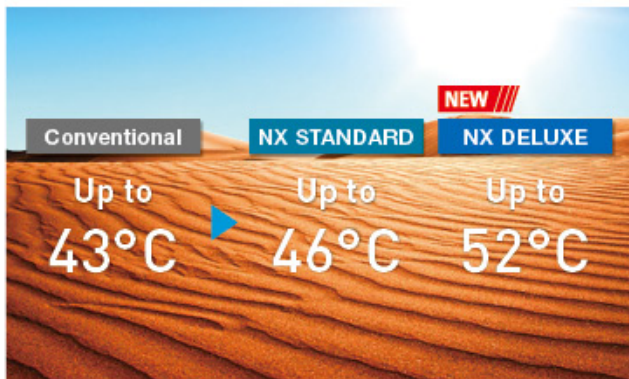
- Zero impact on the ozone layer
- 75% less impact on global warming

Economic and energy consumption innovation

- Lower cost and greater savings
- Higher energy efficiency than R410A

Operation Temperature

The operating range of the new NX series expanded up to outdoor air temperature of 52°C. Even in an extremely hot environment like Asian countries, they operate powerfully with its toughness.



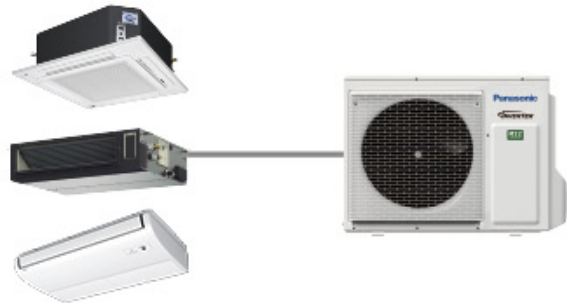
Long Piping Length

DELUXE series:

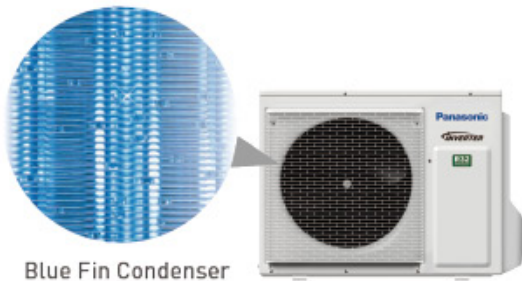
Up to 50 m in all capacity bands

STANDARD series:

5-30 m in 24,200 Btu or less / 5-50 m in 29,000 Btu and up



Advantages for Outdoor Unit



High Durability Outdoor Unit

All Panasonic heat exchangers feature our Blue Fin technology, which offers enhanced corrosion resistance compared to non-Blue Fin models.

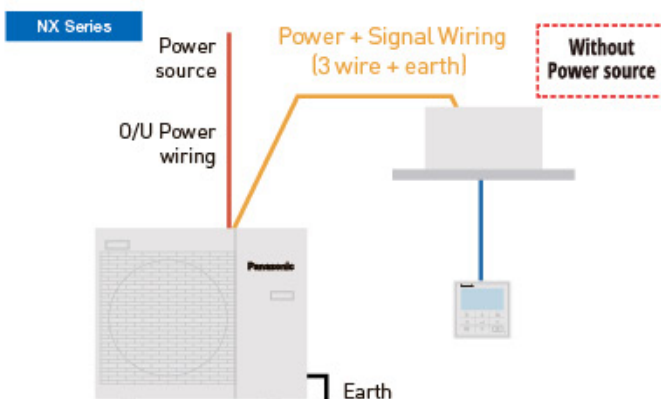


In-house manufactured compressor

Panasonic all in-house manufactured compressors are supplied to the world. The cumulative total of high-quality compressors in use has reached 580 million units*.

* As of September 2019. (In-house research)

Installation Instruction



3 Wire Method

This NX series has been developed with 3 wire method and communication.

NX Series DELUXE 4-WAY CASSETTE **NEW**



TECHNICAL FOCUS

- With the further advanced air purification technology of nanoe® X Generator Mark 3.
- Powerful Industry-leading, 360° wide, comfortable airflow.
- The drain pump can pump water up to a height of 850 mm, making drain pipe layout easy.

INVERTER

nanoeX
Generator Mark3

R32
REFRIGERANT

Panel



CZ-KPU3H

Accessory



Packaged with Indoor unit

(Optional Wired Remote Controller)



CONEX
CONEX wired remote controller, White

CZ-RTC6W/
CZ-RTC6WBLW2*1
*1 BLW=BLE&WLAN



CONEX
CONEX wired remote controller, Black

CZ-RTC6



CZ-RTC5B



CZ-RTC4A

(Optional WLAN Adaptor)

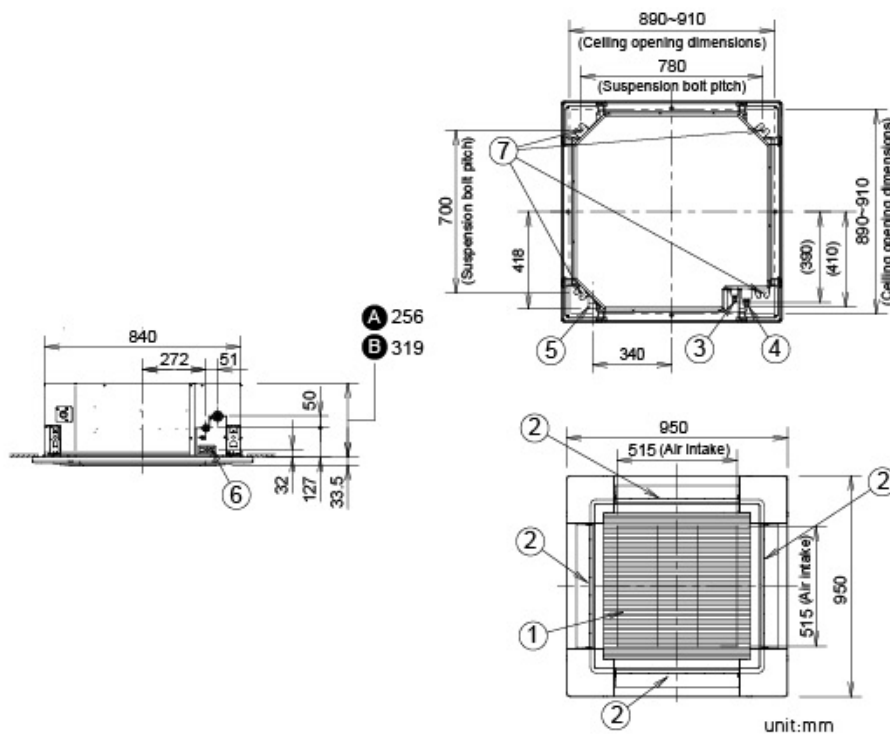


CZ-CAPWFC2

Capacity [Btu/h(Phase)]		17,100	20,500	24,200
Power Source	V/Phase Hz	220-240V, 1Ø Phase - 50Hz		
Indoor Unit		S-1821PU3HA	S-1821PU3HA	S-2430PU3HA
Outdoor Unit		U-18PRH1H5	U-21PRH1H5	U-24PRH1H5
Panel		CZ-KPU3H	CZ-KPU3H	CZ-KPU3H
Cooling Capacity: Rated (Min-Max)	kW	5.00 [2.00-6.00]	6.00 [2.00-6.30]	7.10 [2.10-8.00]
	Btu/h	17,100 [6,820-20,500]	20,500 [6,820-21,500]	24,200 [7,170-27,300]
Current: Rated (Max)	A	4.3-4.1 [9.1]	6.0-5.6 [11.0]	7.3-6.7 [12.0]
Power Input: Rated (Min-Max)	kW	0.90 [0.26-1.35]	1.27 [0.26-1.65]	1.57 [0.28-2.25]
CSPF		7.50	7.10	6.80
COP/EER	W/W	5.56	4.72	4.52
	Btu/hW	19.00	16.14	15.41
Indoor Unit				
Air Volume	m ³ /min	25.0	25.0	25.0
	cfm	882	882	882
Sound Pressure Level (Hi/Lo)	dB [A]	42 / 35	42 / 35	42 / 35
Sound Power Level (Hi/Lo)	dB	57 / 50	57 / 50	57 / 50
Dimension	Indoor (H×W×D)	mm	256 x 840 x 840	256 x 840 x 840
	Panel (H×W×D)	mm	44 x 950 x 950	44 x 950 x 950
Net Weight	Indoor	kg	21	21
	Panel	kg	5	5
Outdoor Unit				
Sound Pressure Level	dB [A]	50	51	53
Sound Power Level	dB	69	70	72
Dimension	Outdoor (H×W×D)	mm	695 x 875 x 320	695 x 875 x 320
Net Weight		kg	39	39
Piping Connection	Gas Pipe	mm (inch)	12.70 (1/2)	12.70 (1/2)
	Liquid Pipe	mm (inch)	6.35 (1/4)	6.35 (1/4)
Pipe Length	Min-Max	m	5 - 50	5 - 50
Elevation Difference		m	30	30
Maximum Charge-less Length	Max	m	30	30
Additional Gas		g/m	15	25
Operation Range, Outdoor	Min-Max	°C	16-52	16-52

* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616.
* CZ-CAPWFC2 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

Dimensions



- Ⓐ S-1821PU3HA/S-2430PU3HA
- Ⓑ S-3448PU3HA

- ① Air intake
- ② Discharge outlet
- ③ Refrigerant tubing (liquid tube)
- ④ Refrigerant tubing (gas tube)
- ⑤ Drain tube connection port VP25 (outer dia. ø32)
- ⑥ Power supply port
- ⑦ Suspension bolt hole (4-12×30 elongated hole)

<Filter dimension> 520 x 520 x 15

	34,100	42,700	42,700(3)	47,800	47,800(3)
			380-415V, 3Ø Phase - 50Hz	220-240V, 1Ø Phase - 50Hz	380-415V, 3Ø Phase - 50Hz
	S-3448PU3HA	S-3448PU3HA	S-3448PU3HA	S-3448PU3HA	S-3448PU3HA
	U-34PRH1H5	U-43PRH1H5	U-43PRH1H8	U-48PRH1H5	U-48PRH1H8
	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H
	10.00 [3.80-11.20]	12.50 [3.80-14.00]	12.50 [3.80-14.00]	14.00 [5.30-15.50]	14.00 [5.30-15.50]
	34,100 [13,000-38,200]	42,700 [13,000-47,800]	42,700 [13,000-47,800]	47,800 [18,100-52,900]	47,800 [18,100-52,900]
	11.6-10.6 [25.5]	16.9-15.5 [26.0]	5.6-5.1 [10.5]	20.3-18.6 [28.0]	6.7-6.1 [11.5]
	2.35 [0.62-3.00]	3.42 [0.63-4.10]	3.42 [0.63-4.10]	4.10 [0.96-4.90]	4.10 [0.96-4.90]
	6.60	6.30	6.30	5.70	5.70
	4.26	3.65	3.65	3.41	3.41
	14.51	12.49	12.49	11.66	11.66
	36.4	36.4	36.4	36.4	36.4
	1,285	1,285	1,285	1,285	1,285
	47 / 41	47 / 41	47 / 41	47 / 41	47 / 41
	62 / 56	62 / 56	62 / 56	62 / 56	62 / 56
	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950
	24	24	24	24	24
	5	5	5	5	5
	54	57	57	58	58
	73	76	76	77	77
	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
	69	69	67	75	73
	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]
	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]
	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
	30	30	30	30	30
	30	30	30	30	30
	25	25	25	25	25
	16-52	16-52	16-52	16-52	16-52

NX Series STANDARD 4-WAY CASSETTE **NEW**



TECHNICAL FOCUS

- Industry-leading Powerful, 360° Wide & Comfortable Airflow.
- Individual flap control for true-comfort.
- The drain pump can pump water up to a height of 850 mm, making drain pipe layout easy.

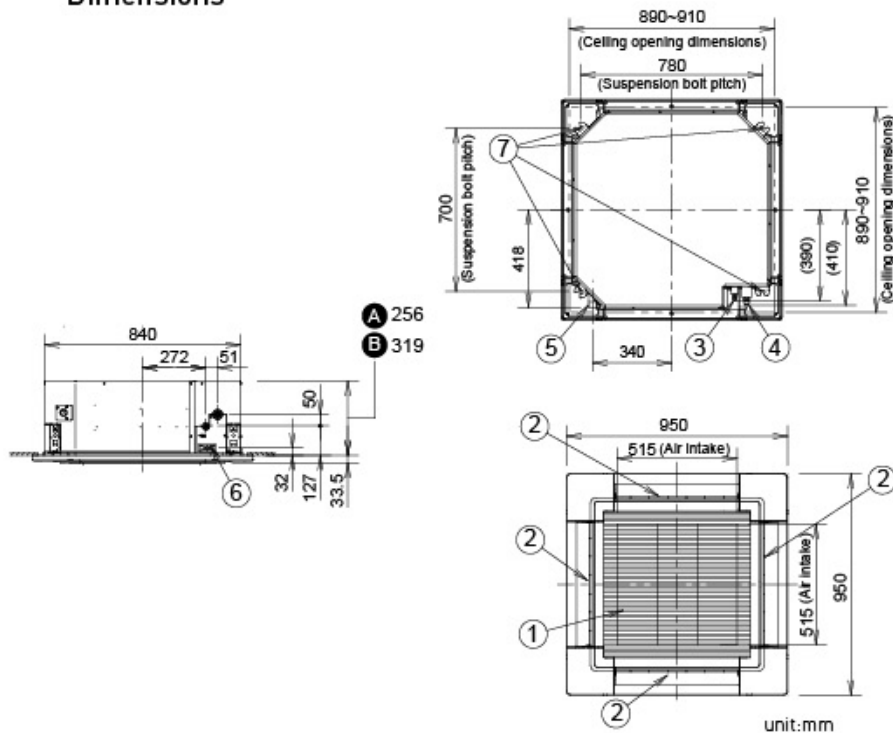


Capacity [Btu/h(Phase)]		17,100	20,500	24,200
Power Source	V/Phase Hz	220-240V, 1Ø Phase - 50Hz		
Indoor		S-1821PU3H	S-1821PU3H	S-2430PU3H
Outdoor		U-18PR1H5	U-21PR1H5	U-24PR1H5
Panel		CZ-KPU3H	CZ-KPU3H	CZ-KPU3H
Cooling Capacity: Rated (Min-Max)	kW	5.00 (2.00-5.60)	6.00 (2.00-6.30)	7.10 (2.10-8.00)
	Btu/h	17,100 (6,820-19,100)	20,500 (6,820-21,500)	24,200 (7,170-27,300)
Current: Rated (Max)	A	5.5-5.2 (9.1)	8.0-7.5 (11.0)	9.2-8.5 (12.0)
Power Input: Rated (Min-Max)	kW	1.14 (0.38-1.50)	1.71 (0.38-2.10)	1.99 (0.30-2.26)
CSPF		6.27	5.89	6.08
COP/EER	W/W	4.39	3.51	3.57
	Btu/hW	15.00	11.99	12.16
Indoor Unit				
Air Volume	m ³ /min	25.0	25.0	25.0
	cfm	882	882	882
Sound Pressure Level (Hi/Lo)	dB (A)	42 / 35	42 / 35	42 / 35
Sound Power Level (Hi/Lo)	dB	57 / 50	57 / 50	57 / 50
Dimension	Indoor (HxWxD)	mm	256 x 840 x 840	256 x 840 x 840
	Panel (HxWxD)	mm	44 x 950 x 950	44 x 950 x 950
Net Weight	Indoor	kg	21	21
	Panel	kg	5	5
Outdoor				
Sound Pressure Level	dB (A)	49	50	51
Sound Power Level	dB	68	69	70
Dimension	Outdoor (HxWxD)	mm	619 x 824 x 299	619 x 824 x 299
Net Weight		kg	29	33
Piping Connection	Gas Pipe	mm (inch)	12.70 (1/2)	15.88 (5/8)
	Liquid Pipe	mm (inch)	6.35 (1/4)	9.52 (3/8)
Pipe Length	Min-Max	m	5 - 30	5 - 30
Elevation Difference		m	20	20
Maximum Charge-less Length	Max	m	10	10
Additional Gas		g/m	15	15
Operation Range, Outdoor	Min-Max	°C	16-46	16-46

* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616.

* STANDARD series indoor units can only be connected to outdoor units of the same series. * CZ-CAPWFC2 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

Dimensions



- A S-1821PU3H/S-2430PU3H
- B S-3448PU3H

- ① Air intake
- ② Discharge outlet
- ③ Refrigerant tubing (liquid tube)
- ④ Refrigerant tubing (gas tube)
- ⑤ Drain tube connection port VP25 (outer dia. ø32)
- ⑥ Power supply port
- ⑦ Suspension bolt hole (4-12×30 elongated hole)

<Filter dimension> 520 x 520 x 15

	29,000	34,100	42,700	42,700 (3)	47,800	47,800(3)
				380-415V, 3Ø Phase - 50Hz	220-240V, 1Ø Phase - 50Hz	380-415V, 3Ø Phase - 50Hz
	S-2430PU3H	S-3448PU3H	S-3448PU3H	S-3448PU3H	S-3448PU3H	S-3448PU3H
	U-30PR1H5	U-34PR1H5	U-43PR1H5	U-43PR1H8	U-48PR1H5	U-48PR1H8
	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H
	8.50 (2.10-10.00)	10.00 (3.20-11.20)	12.50 (3.80-14.00)	12.50 (3.80-14.00)	14.00 (3.80-14.71)	14.00 (3.80-14.71)
	29,000 (7,170-34,100)	34,100 (10,900-38,200)	42,700 (13,000-47,800)	42,700 (13,000-47,800)	47,800 (13,000-50,200)	47,800 (13,000-50,200)
	11.7-10.7 (15.5)	15.0-13.7 (16.5)	18.5-16.9 (26.0)	6.1-5.6 (10.5)	23.9-21.9 (28.0)	7.9-7.2 (11.0)
	2.52 (0.28-3.33)	3.23 (0.61-3.73)	3.74 (0.63-4.25)	3.74 (0.63-4.25)	4.83 (0.63-5.10)	4.83 (0.63-5.10)
	5.97	5.89	5.80	5.80	5.23	5.23
	3.37	3.10	3.34	3.34	2.90	2.90
	11.51	10.56	11.42	11.42	9.90	9.90
	25.0	36.4	36.4	36.4	36.4	36.4
	882	1,285	1,285	1,285	1,285	1,285
	42 / 35	47 / 41	47 / 41	47 / 41	47 / 41	47 / 41
	57 / 50	62 / 56	62 / 56	62 / 56	62 / 56	62 / 56
	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950
	21	24	24	24	24	24
	5	5	5	5	5	5
	53	55	57	57	58	58
	72	74	76	76	77	77
	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
	39	48	68	67	68	67
	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
	30	30	30	30	30	30
	30	30	30	30	30	30
	25	25	25	25	25	25
	16-46	16-46	16-46	16-46	16-46	16-46

Non-inverter 4-WAY CASSETTE

NEW



TECHNICAL FOCUS

- nanoe[®] X equipped as standard
- DC fan motor for increased efficiency
- Compact design
- Powerful drain pump gives 850 mm lift
- Low sound levels
- Lightweight design



Panel



CZ-KPU3H

Accessories

(Optional Wired Remote Controller)



Packaged with
Indoor unit



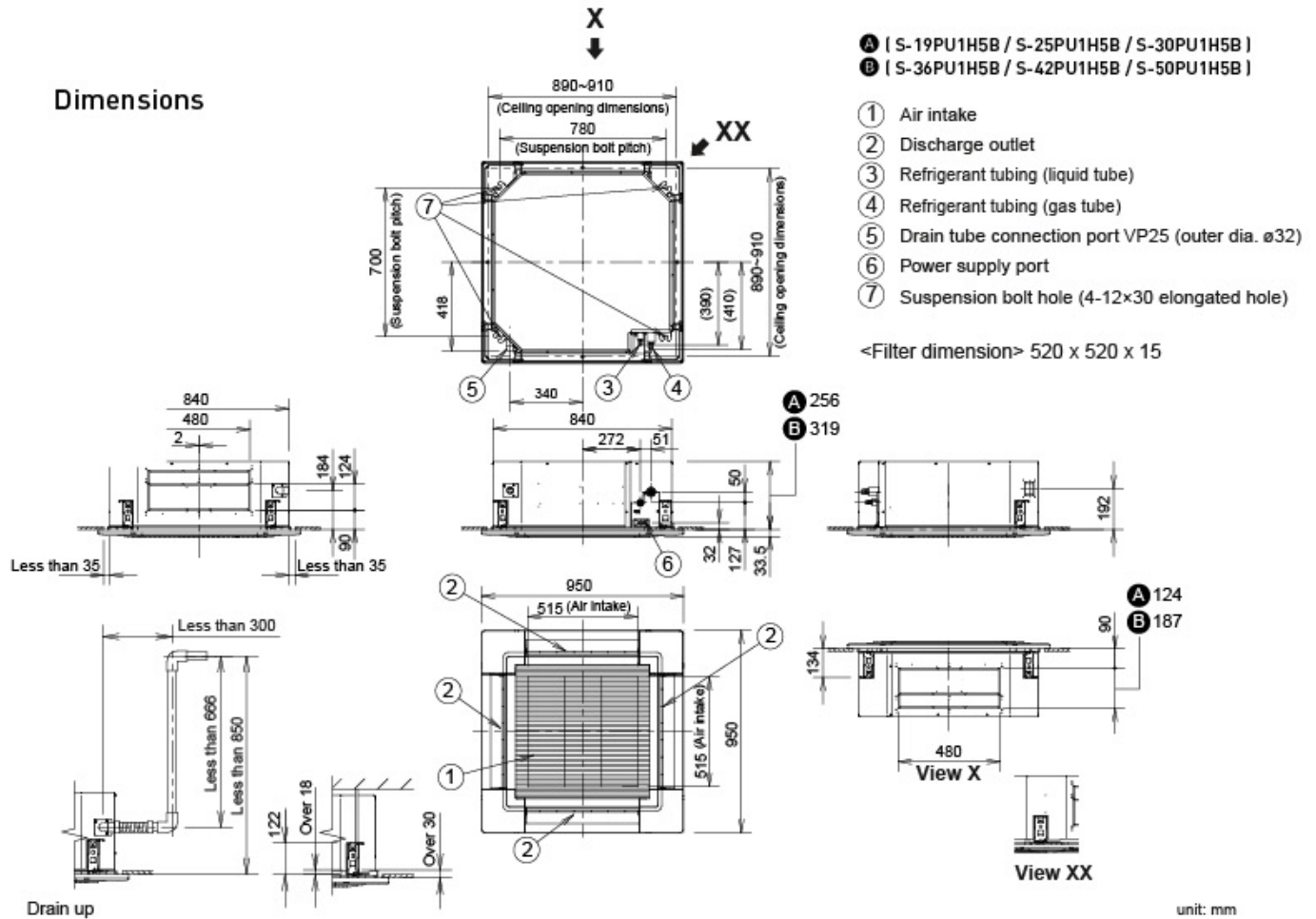
CZ-RD513C

Capacity (Btu/h)		18,500	25,000	30,000
Power Source	V/Phase Hz	220-240 V, 1Ø Phase - 50 Hz		
Indoor		S-19PU1H5B	S-25PU1H5B	S-30PU1H5B
Outdoor		U-19PN1H5	U-25PN1H5	U-30PN1H5
Panel		CZ-KPU3H	CZ-KPU3H	CZ-KPU3H
Cooling Capacity: Rated	kW	5.42	7.33	8.79
	Btu/h	18,500	25,000	30,000
Current	A	7.1-6.5	9.6-8.8	13.5-13.2
Power Input: Rated	kW	1.52	2.07	2.85
COP/EER	W/W	3.57	3.54	3.08
	Btu/hW	12.17	12.08	10.53
Indoor Unit				
Air Volume	m ³ /min	25.0	25.0	25.0
	cfm	882	882	882
Sound Pressure Level (Hi/Lo)	dB (A)	42/35	42/35	42/35
Sound Power Level (Hi/Lo)	dB	57/50	57/50	57/50
Dimension	Indoor (H×W×D)	mm	256 × 840 × 840	256 × 840 × 840
	Panel (H×W×D)	mm	33.5 × 950 × 950	33.5 × 950 × 950
Net Weight	Indoor	kg	21	21
	Panel	kg	5	5
Outdoor Unit				
Sound Pressure Level	dB (A)	50	52	54
Sound Power Level	dB	66	68	69
Dimension	Outdoor (H×W×D)	mm	619 × 824 × 299	619 × 824 × 299
Net Weight		kg	36	42
Piping Connection	Gas Pipe	mm (inch)	12.70 (1/2)	12.70 (1/2)
	Liquid Pipe	mm (inch)	6.35 (1/4)	6.35 (1/4)
Pipe Length	Min-Max	m	7.5 - 30	7.5 - 30
Elevation Difference			20	30
Maximum Charge-less Length	Max	m	7.5	7.5
Refrigerant Type/Additional Gas		g/m	R32/15	R32/15
Operating Range, Outdoor	Min-Max	°C	16-43	16-43

*Specifications are subject to change without notice. Please refer to technical documents for more details.

*The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616.

Dimensions



* Adjust the suspension bolt length so that the gap from the lower ceiling surface becomes 30 mm or more [18 mm or more from the lower surface of the body] as shown in the figure. When the suspension bolt length is long, it hits the ceiling panel and installation is not possible.

30,000	36,000	42,000	48,500
380-415 V, 3Ø Phase - 50 Hz			
S-30PU1H5B	S-36PU1H5B	S-42PU1H5B	S-50PU1H5B
U-30PN1H8	U-36PN1H8	U-42PN1H8	U-50PN1H8
CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H
8.79	10.55	12.31	14.21
30,000	36,000	42,000	48,500
4.5-4.3	4.9-4.6	5.4-5.3	7.4-7.6
2.57	2.83	3.10	4.14
3.42	3.73	3.97	3.43
11.67	12.72	13.55	11.71
25.0	36.4	36.4	36.4
882	1,285	1,285	1,285
42/35	47/41	47/41	47/41
57/50	62/56	62/56	62/56
256 × 840 × 840	319 × 840 × 840	319 × 840 × 840	319 × 840 × 840
33.5 × 950 × 950	33.5 × 950 × 950	33.5 × 950 × 950	33.5 × 950 × 950
21	24	24	24
5	5	5	5
54	55	58	58
69	70	72	72
695 × 875 × 320	695 × 875 × 320	996 × 980 × 370	996 × 980 × 370
56	56	75	78
15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
7.5 - 45	7.5 - 45	7.5 - 50	7.5 - 50
30	30	30	30
7.5	7.5	7.5	7.5
R32/25	R32/25	R32/25	R32/25
16-43	16-43	16-43	16-43

NX Series DELUXE ADAPTIVE DUCTED **NEW**



TECHNICAL FOCUS

- Air intake from rear as standard. Industry-leading horizontal and vertical design.
- Powerful 150Pa ESP and space saving 250 mm height, filter included.
- Built-in Drain pump and selectable air inlet position (bottom and rear).



(Optional Wired Remote Controller)



CZ-RTC6W/
CZ-RTC6WBLW2*1
*1 BLW-BLE&WLAN



CZ-RTC6



CZ-RTC5B



CZ-RTC4A

(Optional WLAN Adaptor)



CZ-CAPWFC2

Capacity [Btu/h]		17,100	20,500	24,200
Power Source	V/Phase Hz	220-240V, 1Ø Phase - 50Hz		
Indoor Unit		S-1821PF3H	S-1821PF3H	S-2430PF3H
Outdoor Unit		U-18PRH1H5	U-21PRH1H5	U-24PRH1H5
Cooling Capacity : Rated (Min-Max)	kW	5.00 (1.60-6.00)	6.00 (1.60-6.30)	7.10 (1.80-8.00)
	Btu/h	17,100 (5,460-20,500)	20,500 (5,460-21,500)	24,200 (6,140-27,300)
Current: Rated (Max)	A	5.6-5.3 (9.1)	7.4-6.9 (11.0)	8.3-7.7 (12.0)
Power Input: Rated (Min-Max)	kW	1.16 (0.24-1.55)	1.58 (0.24-1.80)	1.80 (0.30-2.35)
CSPF		5.90	5.60	6.10
COP/EER	W/W	4.31	3.8	3.94
	Btu/hW	14.74	12.97	13.44
Indoor Unit				
Air Volume	m ³ /min	16.0	16.0	21.0
	cfm	565	565	740
External static pressure	Pa	30 (10-150)	30 (10-150)	30 (10-150)
Sound Pressure Level (Hi/L0)	dB (A)	35 / 29	35 / 29	35 / 29
Sound Power Level (Hi/L0)	dB	58 / 52	58 / 52	58 / 52
Dimension	Indoor (H×W×D)	mm	250 x 800 x 730	250 x 1,000 x 730
Net Weight	Indoor	kg	25	30
Outdoor Unit				
Sound Pressure Level	dB (A)	50	51	53
Sound Power Level	dB	69	70	72
Dimension	Outdoor (H×W×D)	mm	695 x 875 x 320	695 x 875 x 320
Net Weight		kg	39	39
Piping Connection	Gas Pipe	mm (inch)	12.70 (1/2)	15.88 (5/8)
	Liquid Pipe	mm (inch)	6.35 (1/4)	9.52 (3/8)
Pipe Length	Min-Max	m	5 - 50	5 - 50
Elevation Difference		m	30	30
Maximum Charge-less Length	Max	m	30	30
Additional Gas		g/m	15	25
Operation Range, Outdoor	Min-Max	°C	16-52	16-52

* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616.

* STANDARD series indoor units can only be connected to outdoor units of the same series. * CZ-CAPWFC2 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

Dimensions

S-1821PF3H/S-2430PF3H/S-3448PF3H

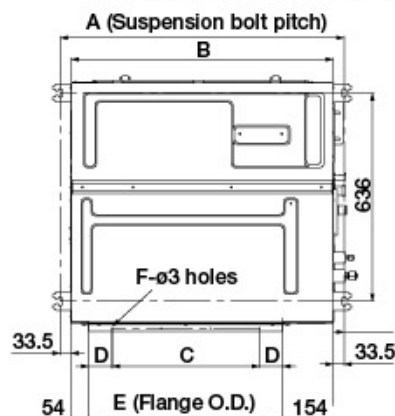
Detailed dimensions of indoor unit

Type	A mm	B mm	C mm	D mm	E mm	F Q'ty	G mm	H mm
1821	867	800	450 (Pitch 150 x 3)	71	592	12	204	683
2430	1,067	1,000	750 (Pitch 150 x 5)	21	792	16	204	883
3448	1,467	1,400	1,050 (Pitch 150 x 7)	71	1,192	20	204	1,283

Note: Please remove cover plate for Dimension H (only for 1821 type).



Note: For 1821 type : 8-φ3.2 hole for M4 self-tapping screw.
For 2430 type: 12-φ3.2 hole for M4 self-tapping screw.
For 3448 type: 14-φ3.2 hole for M4 self-tapping screw.



unit:mm

34,100	42,700	42,700(3)	47,800	47,800(3)
S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H
U-34PRH1H5	U-43PRH1H5	U-43PRH1H8	U-48PRH1H5	U-48PRH1H8
10.00 (3.80-11.20)	12.50 (3.80-14.00)	12.50 (3.80-14.00)	14.00 (5.30-15.50)	14.00 (5.30-15.50)
34,100 (13,000-38,200)	42,700 (13,000-47,800)	42,700 (13,000-47,800)	47,800 (18,100-52,900)	47,800 (18,100-52,900)
11.9-10.9 [25.5]	17.7-16.3 [26.0]	5.9-5.4 [10.5]	21.4-19.7 [28.0]	7.1-6.5 [11.5]
2.40 [0.65-3.08]	3.59 [0.65-4.35]	3.59 [0.65-4.35]	4.34 [0.96-5.15]	4.34 [0.96-5.15]
6.40	5.45	5.45	5.55	5.55
4.17	3.48	3.48	3.23	3.23
14.51	11.89	11.89	11.01	11.01
36.0	36.0	36.0	36.0	36.0
1,270	1,270	1,270	1,270	1,270
50 (10-150)	50 (10-150)	50 (10-150)	50 (10-150)	50 (10-150)
40 / 30	40 / 30	40 / 30	40 / 30	40 / 30
63 / 53	63 / 53	63 / 53	63 / 53	63 / 53
250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730
39	39	39	39	39
54	57	57	58	58
73	76	76	77	77
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
69	69	67	75	73
15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
30	30	30	30	30
30	30	30	30	30
25	25	25	25	25
16-52	16-52	16-52	16-52	16-52

NX Series STANDARD ADAPTIVE DUCTED **NEW**



TECHNICAL FOCUS

- Air intake from rear as standard. Industry-leading horizontal and vertical design.
- Powerful 150Pa ESP and space saving 250 mm height, filter included.
- Built-in Drain pump and selectable air Inlet position (bottom and rear).



(Optional Wired Remote Controller)



CZ-RTC6W/
CZ-RTC6WBLW2*
*1 BLW=BLE&WLAN



CZ-RTC6



CZ-RTC5B



CZ-RTC4A

(Optional WLAN Adaptor)



CZ-CAPWFC2

Capacity (Btu/h)			17,100	20,500	24,200
Power Source	V/Phase Hz		220-240V, 1Ø Phase - 50Hz		
Indoor Unit			S-1821PF3H	S-1821PF3H	S-2430PF3H
Outdoor Unit			U-18PR1H5	U-21PR1H5	U-24PR1H5
Cooling Capacity: Rated (Min-Max)	kW		5.00 [2.00-5.60]	6.00 [2.00-6.30]	7.10 [2.00-7.60]
	Btu/h		17,100 [6,820-19,100]	20,500 [6,820-21,500]	24,200 [6,820-25,900]
Current: Rated [Max]	A		7.2-6.8 [9.1]	9.1-8.6 [11.0]	10.5-9.7 [12.0]
Power Input: Rated (Min-Max)	kW		1.54 [0.41-1.75]	1.95 [0.41-2.30]	2.27 [0.34-2.48]
CSPF			5.02	4.65	5.21
COP/EER	W/W		3.25	3.08	3.13
	Btu/hW		11.10	10.51	10.66
Indoor Unit					
Air Volume	m ³ /min		16.0	16.0	21.0
	cfm		565	565	740
External static pressure	Pa		30 [10-150]	30 [10-150]	30 [10-150]
Sound Pressure Level (Hi/Lo)	dB [A]		35 / 29	35 / 29	35 / 29
Sound Power Level (Hi/Lo)	dB		58 / 52	58 / 52	58 / 52
Dimension	Indoor (HxWxD)	mm	250 x 800 x 730	250 x 800 x 730	250 x 1,000 x 730
Net Weight	Indoor	kg	25	25	30
Outdoor Unit					
Sound Pressure Level	dB [A]		50	51	51
Sound Power Level	dB		69	70	70
Dimension	Outdoor (HxWxD)	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299
Net Weight		kg	29	29	33
Piping Connection	Gas Pipe	mm (inch)	12.70 [1/2]	12.70 [1/2]	15.88 [5/8]
	Liquid Pipe	mm (inch)	6.35 [1/4]	6.35 [1/4]	9.52 [3/8]
Pipe Length	Min-Max	m	5 - 30	5 - 30	5 - 30
Elevation Difference		m	20	20	20
Maximum Charge-less Length	Max	m	10	10	10
Additional Gas		g/m	15	15	15
Operation Range, Outdoor	Min-Max	°C	16-46	16-46	16-46

* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616.

* STANDARD series indoor units can only be connected to outdoor units of the same series. * CZ-CAPWFC2 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

Dimensions

S-1821PF3H/S-2430PF3H/S-3448PF3H

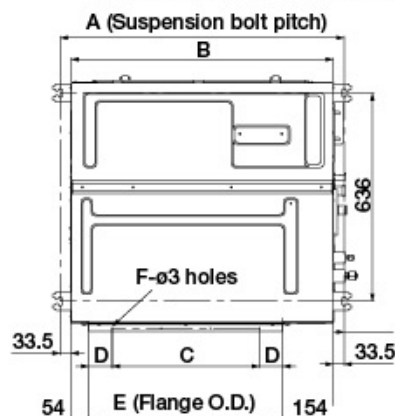
Detailed dimensions of indoor unit

Type	A	B	C	D	E	F	G	H
	mm	mm	mm	mm	mm	Q'ty	mm	mm
1821	867	800	450 (Pitch 150 x 3)	71	592	12	204	683
2430	1,067	1,000	750 (Pitch 150 x 5)	21	792	16	204	893
3448	1,467	1,400	1,050 (Pitch 150 x 7)	71	1,192	20	204	1,283

Note: Please remove cover plate for Dimension H (only for 1821 type).



Note: For 1821 type : 8-φ3.2 hole for M4 self-tapping screw.
 For 2430 type: 12-φ3.2 hole for M4 self-tapping screw.
 For 3448 type: 14-φ3.2 hole for M4 self-tapping screw.



unit:mm

	27,600	34,100	42,700	42,700 (3)	47,000	47,000(3)
				380-415V, 3Ø Phase - 50Hz	220-240V, 1Ø Phase - 50Hz	380-415V, 3Ø Phase - 50Hz
	S-2430PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H
	U-30PR1H5	U-34PR1H5	U-43PR1H5	U-43PR1H8	U-48PR1H5	U-48PR1H8
	8.10 (2.00-8.90)	10.00 (3.20-11.20)	12.50 (3.80-13.50)	12.50 (3.80-13.50)	13.77 (3.80-14.20)	13.77 (3.80-14.20)
	27,600 (6,820-30,400)	34,100 (10,900-38,200)	42,700 (13,000-46,100)	42,700 (13,000-46,100)	47,000 (13,000-48,500)	47,000 (13,000-48,500)
	12.1-11.1 (15.5)	14.5-13.3 (16.5)	19.6-17.9 (26.0)	6.5-5.9 (10.5)	23.6-21.6 (28.0)	7.8-7.1 (11.0)
	2.60 (0.33-2.90)	3.12 (0.59-3.65)	3.96 (0.65-4.35)	3.96 (0.65-4.35)	4.77 (0.65-4.95)	4.77 (0.65-4.95)
	5.21	4.74	5.02	5.02	4.74	4.74
	3.12	3.21	3.16	3.16	2.89	2.89
	10.62	10.93	10.78	10.78	9.85	9.85
	21.0	36.0	36.0	36.0	36.0	36.0
	740	1,270	1,270	1,270	1,270	1,270
	30 (10-150)	50 (10-150)	50 (10-150)	50 (10-150)	50 (10-150)	50 (10-150)
	35 / 29	40 / 30	40 / 30	40 / 30	40 / 30	40 / 30
	58 / 52	63 / 53	63 / 53	63 / 53	63 / 53	63 / 53
	250 x 1,000 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730
	30	39	39	39	39	39
	53	55	57	57	58	58
	72	74	76	76	77	77
	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
	39	48	68	67	68	67
	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
	30	30	30	30	30	30
	30	30	30	30	30	30
	25	25	25	25	25	25
	16-46	16-46	16-46	16-46	16-46	16-46

NX Series DELUXE

CEILING SUSPENDED **NEW**



TECHNICAL FOCUS

- The slim design makes thickness only 235 mm.
- Compact looking, stylish, one-motion design.
- Comfortable, long-distance airflow distribution.

INVERTER

nanoeX
Generator Mark2

R32
REFRIGERANT

Accessory



Packaged with Indoor unit

[Optional Wired Remote Controller]



CONEX
CONEX wired remote controller, White

CZ-RTC6W/
CZ-RTC6WBLW2*1
*1 BLW-BLE&WLAN



CONEX
CONEX wired remote controller, Black

CZ-RTC6



CZ-RTC5B



CZ-RTC4A

[Optional WLAN Adaptor]



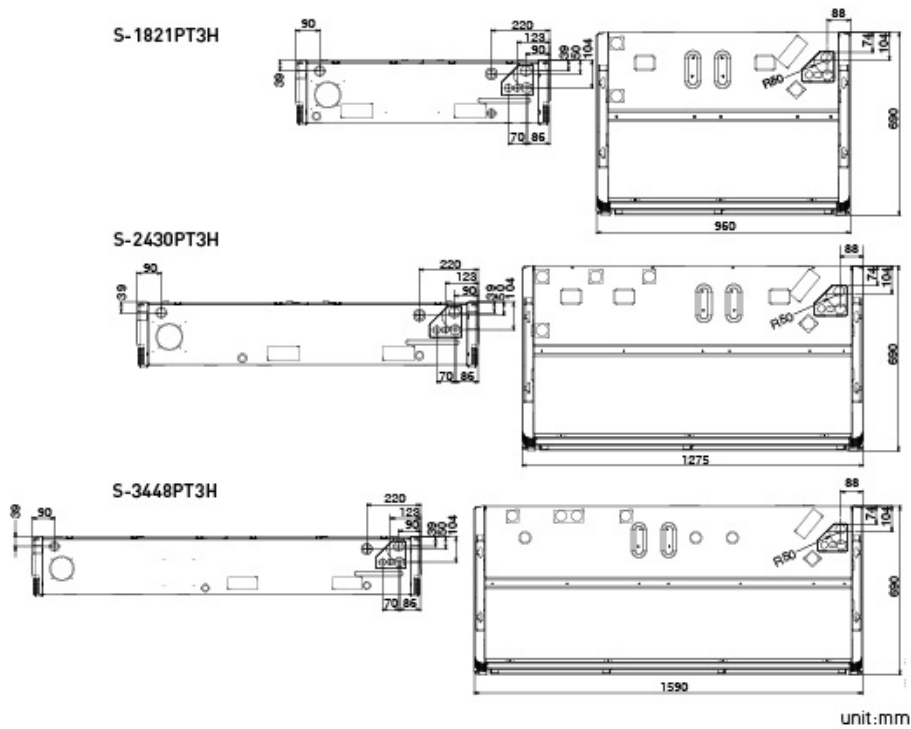
CZ-CAPWFC2

Capacity [Btu/h(Phase)]		17,100	20,500	24,200
Power Source	V/Phase Hz	220-240V, 1Ø Phase - 50Hz		
Indoor Unit		S-1821PT3H	S-1821PT3H	S-2430PT3H
Outdoor Unit		U-18PRH1H5	U-21PRH1H5	U-24PRH1H5
Cooling Capacity: Rated [Min-Max]	kW	5.00 [1.80-6.00]	6.00 [1.80-6.30]	7.10 [1.80-8.00]
	Btu/h	17,100 [6,140-20,500]	20,500 [6,140-21,500]	24,200 [6,140-27,300]
Current: Rated [Max]	A	5.2-4.7 [9.1]	6.7-6.2 [11.0]	7.9-7.2 [12.0]
Power Input: Rated [Min-Max]	kW	1.08 [0.27-1.43]	1.44 [0.27-1.72]	1.70 [0.25-2.15]
CSPF		7.20	6.70	6.85
COP/EER	W/W	4.63	4.17	4.18
	Btu/hW	15.83	14.24	14.24
Indoor Unit				
Air Volume	m ³ /min	15.0	15.0	21.0
	cfm	530	530	740
Sound Pressure Level (Hi/Lo)	dB (A)	38 / 29	38 / 29	40 / 32
Sound Power Level (Hi/Lo)	dB	56 / 47	56 / 47	58 / 50
Dimension	Indoor (H×W×D)	mm	235 x 960 x 690	235 x 1,275 x 690
Net Weight	Indoor	kg	26	34
Outdoor Unit				
Sound Pressure Level	dB (A)	50	51	53
Sound Power Level	dB	69	70	72
Dimension	Outdoor (H×W×D)	mm	695 x 875 x 320	695 x 875 x 320
Net Weight		kg	39	39
Piping Connection	Gas Pipe	mm (inch)	12.70 (1/2)	15.88 (5/8)
	Liquid Pipe	mm (inch)	6.35 (1/4)	9.52 (3/8)
Pipe Length	Min-Max	m	5 - 50	5 - 50
Elevation Difference		m	30	30
Maximum Charge-less Length	Max	m	30	30
Additional Gas		g/m	15	25
Operation Range, Outdoor	Min-Max	°C	16-52	16-52

* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616.
* DELUXE series indoor units can only be connected to outdoor units of the same series. * CZ-CAPWFC2 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

Dimensions

S-1821PT3H/S-2430PT3H/S-3448PT3H



34,100	42,700	42,700(3)	47,800	47,800(3)
		380-415V, 3Ø Phase - 50Hz	220-240V, 1Ø Phase - 50Hz	380-415V, 3Ø Phase - 50Hz
S-3448PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H
U-34PRH1H5	U-43PRH1H5	U-43PRH1H8	U-48PRH1H5	U-48PRH1H8
10.00 [3.80-11.20]	12.50 [3.80-14.00]	12.50 [3.80-14.00]	14.00 [5.30-15.50]	14.00 [5.30-15.50]
34,100 [13,000-38,200]	42,700 [13,000-47,800]	42,700 [13,000-47,800]	47,800 [18,100-52,900]	47,800 [18,100-52,900]
12.2-11.2 [25.5]	18.5-17.0 [26.0]	6.1-5.6 [10.5]	20.9-19.2 [28.0]	6.9-6.3 [11.5]
2.47 [0.68-3.04]	3.75 [0.68-4.40]	3.75 [0.68-4.40]	4.24 [0.94-5.00]	4.24 [0.94-5.00]
6.05	5.50	5.50	5.40	5.40
4.05	3.33	3.33	3.30	3.30
13.81	11.39	11.39	11.27	11.27
35.0	35.0	35.0	35.0	35.0
1,235	1,235	1,235	1,235	1,235
46 / 38	46 / 38	46 / 38	46 / 38	46 / 38
64 / 56	64 / 56	64 / 56	64 / 56	64 / 56
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
40	40	40	40	40
54	57	57	58	58
73	76	76	77	77
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
69	69	67	75	73
15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
30	30	30	30	30
30	30	30	30	30
25	25	25	25	25
16-52	16-52	16-52	16-52	16-52

NX Series STANDARD

CEILING SUSPENDED **NEW**



TECHNICAL FOCUS

- The slim design makes thickness only 235 mm.
- Compact looking, stylish, one-motion design.
- Comfortable, long-distance airflow distribution.



Accessory



Packaged with Indoor unit

(Optional Wired Remote Controller)



CONEX
CONEX wired remote controller, White

CZ-RTC6W/
CZ-RTC6WBLW2*1
*1 BLW=BLE&WLAN



CONEX
CONEX wired remote controller, Black

CZ-RTC6



CZ-RTC5B



CZ-RTC4A

(Optional WLAN Adaptor)



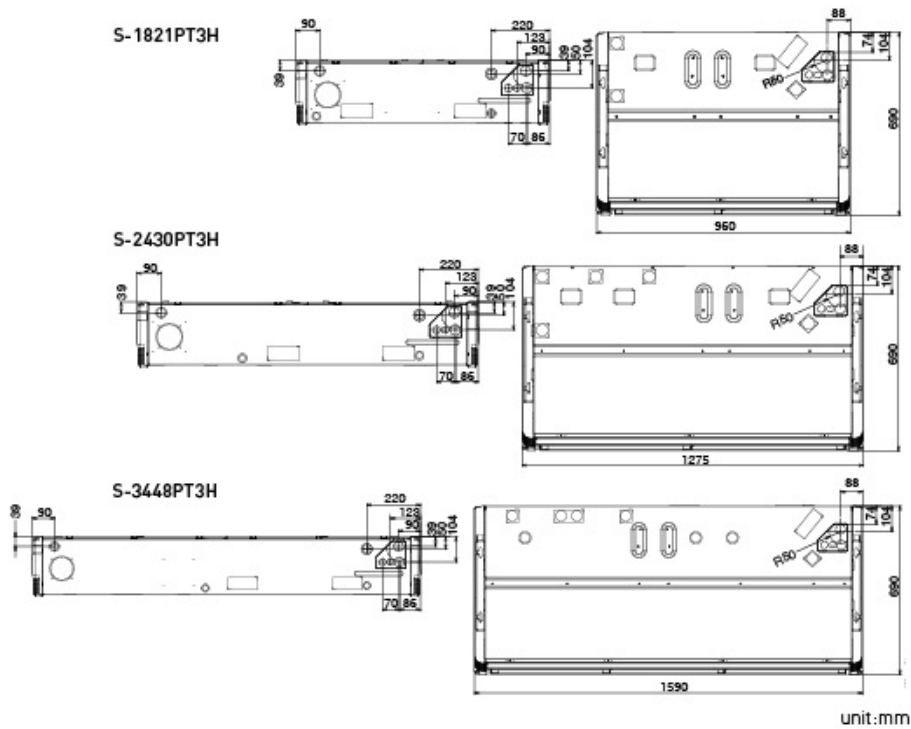
CZ-CAPWFC2

Capacity [Btu/h(Phase)]		17,100	20,500	24,200	29,000
Power Source	V/Phase Hz	220-240V, 1Ø Phase - 50Hz			
Indoor Unit		S-1821PT3H	S-1821PT3H	S-2430PT3H	S-2430PT3H
Outdoor Unit		U-18PR1H5	U-21PR1H5	U-24PR1H5	U-30PR1H5
Cooling Capacity: Rated (Min-Max)	kW	5.00 (2.00-5.60)	6.00 (2.00-6.30)	7.10 (2.00-7.80)	8.50 (2.00-9.60)
	Btu/h	17,100 (6,820-19,100)	20,500 (6,820-21,500)	24,200 (6,820-26,600)	29,000 (6,820-32,800)
Current: Rated (Max)	A	5.9-6.2 (9.1)	8.4-9.0 (11.0)	8.9-9.7 (12.0)	11.7-12.8 (15.5)
Power Input: Rated (Min-Max)	kW	1.33 (0.39-1.65)	1.92 (0.39-2.25)	2.00 (0.32-2.36)	2.75 (0.29-3.31)
CSPF		6.18	5.65	5.51	5.86
COP/EER	W/W	3.76	3.13	3.38	3.09
	Btu/hW	12.86	10.68	11.52	10.55
Indoor Unit					
Air Volume	m ³ /min	15.0	15.0	21.0	21.0
	cfm	530	530	740	740
Sound Pressure Level (Hi/Lo)	dB (A)	38 / 29	38 / 29	40 / 32	40 / 32
Sound Power Level (Hi/Lo)	dB	56 / 47	56 / 47	58 / 50	58 / 50
Dimension	Indoor (HxWxD)	mm	235 x 960 x 690	235 x 960 x 690	235 x 1,275 x 690
Net Weight	Indoor	kg	26	26	34
Outdoor Unit					
Sound Pressure Level	dB (A)	50	51	51	53
Sound Power Level	dB	69	70	70	72
Dimension	Outdoor (HxWxD)	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299
Net Weight		kg	29	29	33
Piping Connection	Gas Pipe	mm (inch)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)
	Liquid Pipe	mm (inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)
Pipe Length	Min-Max	m	5 - 30	5 - 30	5 - 50
Elevation Difference		m	20	20	30
Maximum Charge-less Length	Max	m	10	10	30
Additional Gas		g/m	15	15	25
Operation Range, Outdoor	Min-Max	°C	16-46	16-46	16-46

* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. * STANDARD series indoor units can only be connected to outdoor units of the same series. * CZ-CAPWFC2 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

Dimensions

S-1821PT3H/S-2430PT3H/S-3448PT3H

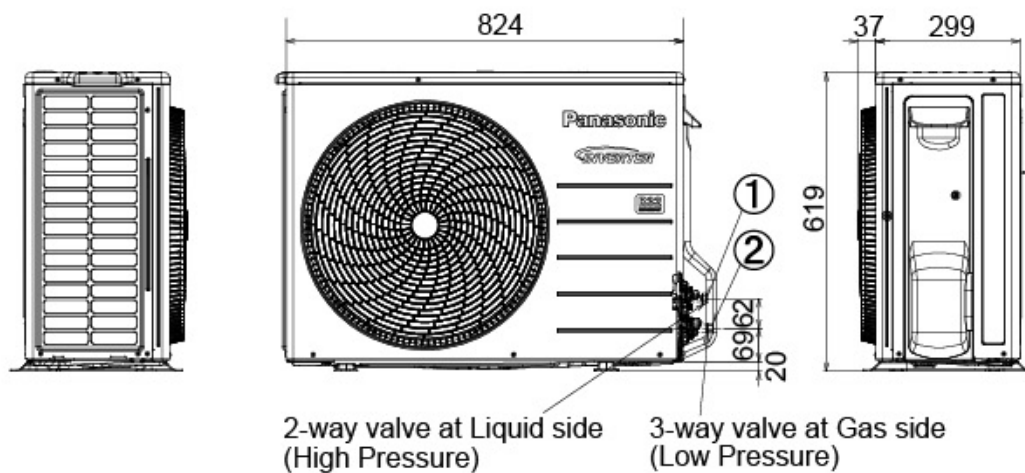


34,100	42,700	42,700 (3)	45,500	45,500(3)
		380-415V, 3Ø Phase - 50Hz	220-240V, 1Ø Phase - 50Hz	380-415V, 3Ø Phase - 50Hz
S-3448PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H
U-34PR1H5	U-43PR1H5	U-43PR1H8	U-48PR1H5	U-48PR1H8
10.00 [3.20-11.20]	12.50 [3.80-13.54]	12.50 [3.80-13.54]	13.33 [3.80-14.00]	13.33 [3.80-14.00]
34,100 [10,900-38,200]	42,700 [13,000-46,200]	42,700 [13,000-46,200]	45,500 [13,000-47,800]	45,500 [13,000-47,800]
14.3-15.6 [16.5]	18.6-20.3 [26.0]	6.1-6.7 [10.5]	20.4-22.2 [28.0]	6.7-7.4 [11.0]
3.36 [0.58-3.77]	4.10 [0.68-4.50]	4.10 [0.68-4.50]	4.50 [0.68-4.80]	4.50 [0.68-4.80]
5.04	5.08	5.08	4.98	4.98
2.98	3.05	3.05	2.96	2.96
10.15	10.41	10.41	10.11	10.11
35.0	35.0	35.0	35.0	35.0
1,235	1,235	1,235	1,235	1,235
46 / 38	46 / 38	46 / 38	46 / 38	46 / 38
64 / 56	64 / 56	64 / 56	64 / 56	64 / 56
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
40	40	40	40	40
55	57	57	58	58
74	76	76	77	77
695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
48	68	67	68	67
15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]
9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]
5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
30	30	30	30	30
30	30	30	30	30
25	25	25	25	25
16-46	16-46	16-46	16-46	16-46

OUTDOOR UNITS

NX Series **INVERTER** **NEW**

Dimensions U-18PR1H5/U-21PR1H5/U-24PR1H5



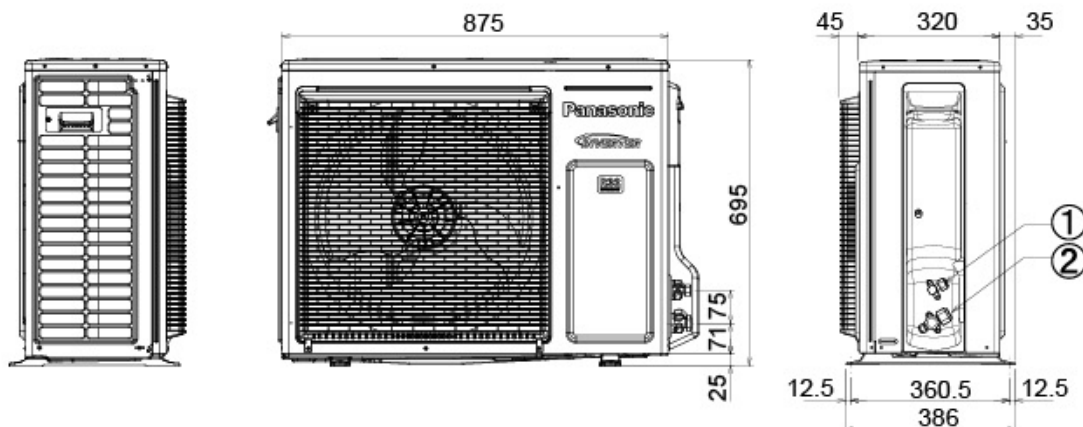
- ① Refrigerant tubing (liquid tube), flared connection (φ8.35"/9.52")
- ② Refrigerant tubing (gas tube), flared connection (φ12.70"/15.88")

*1 For U-18/21PR

*2 For U-24PR

*Mounting hole (4-R6.5), anchor bolt : M10

Dimensions U-18PRH1H5/U-21PRH1H5/U-24PRH1H5/U-30PR1H5/U-34PR1H5



- ① Refrigerant tubing (liquid tube), flared connection (φ8.35"/9.52")
- ② Refrigerant tubing (gas tube), flared connection (φ12.70"/15.88")

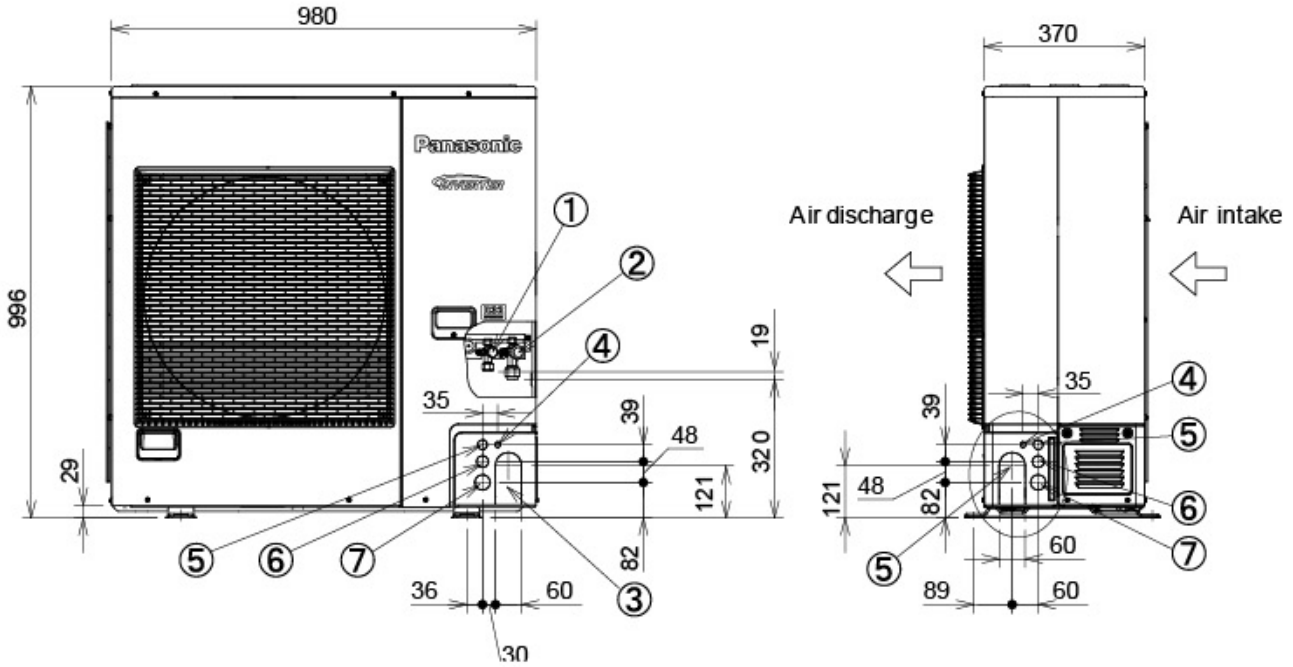
*3 For U-18/21PRH

*4 For U-24PRH and U-30/34PR

*Mounting hole (4-R6.5), anchor bolt : M10

Unit:mm

Dimensions U-34PRH1H5/U-43PRH1H5/U-43PR1H5/U-43PRH1H8/U-43PR1H8 U-48PRH1H5/
U-48PR1H5/U-48PRH1H8/U-48PR1H8



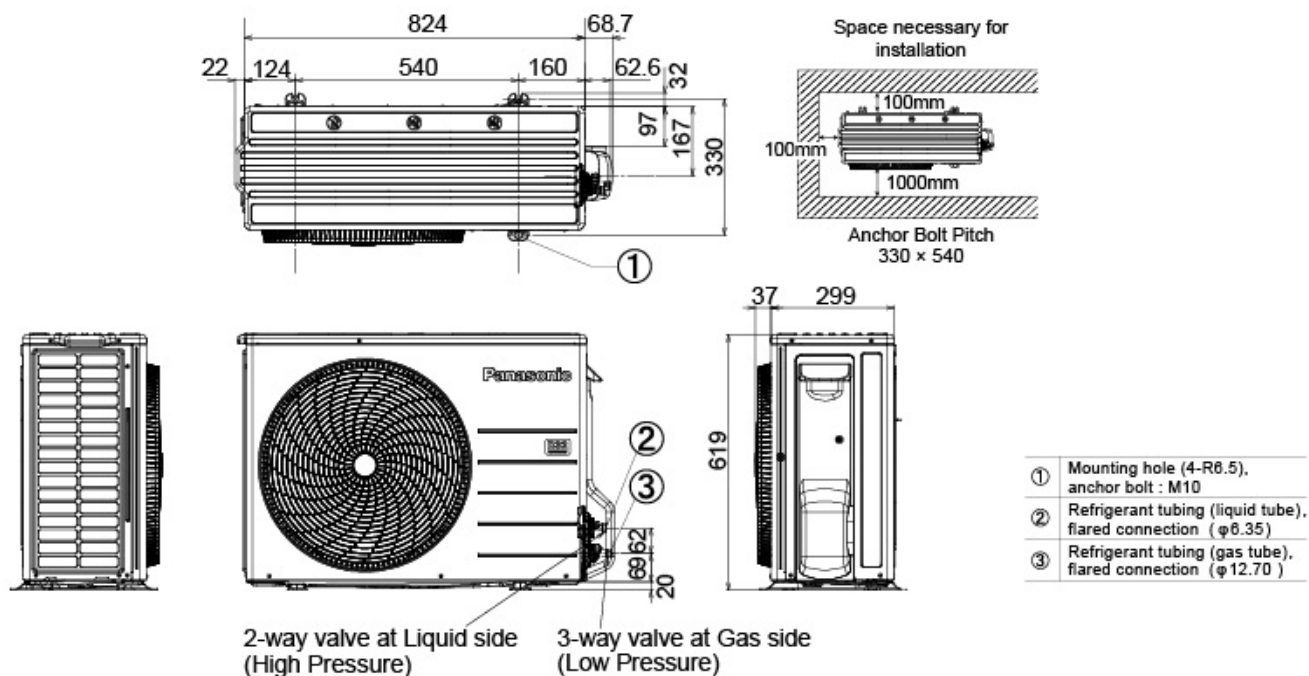
①	Refrigerant tubing (liquid tube), flared connection (Ø9.52)
②	Refrigerant tubing (gas tube), flared connection (Ø15.88)
③	Refrigerant tubing port
④	Electrical wiring port (Ø13)
⑤	Electrical wiring port (Ø22)
⑥	Electrical wiring port (Ø27)
⑦	Electrical wiring port (Ø35)

*Mounting hole (4-R6.5), anchor bolt : M10

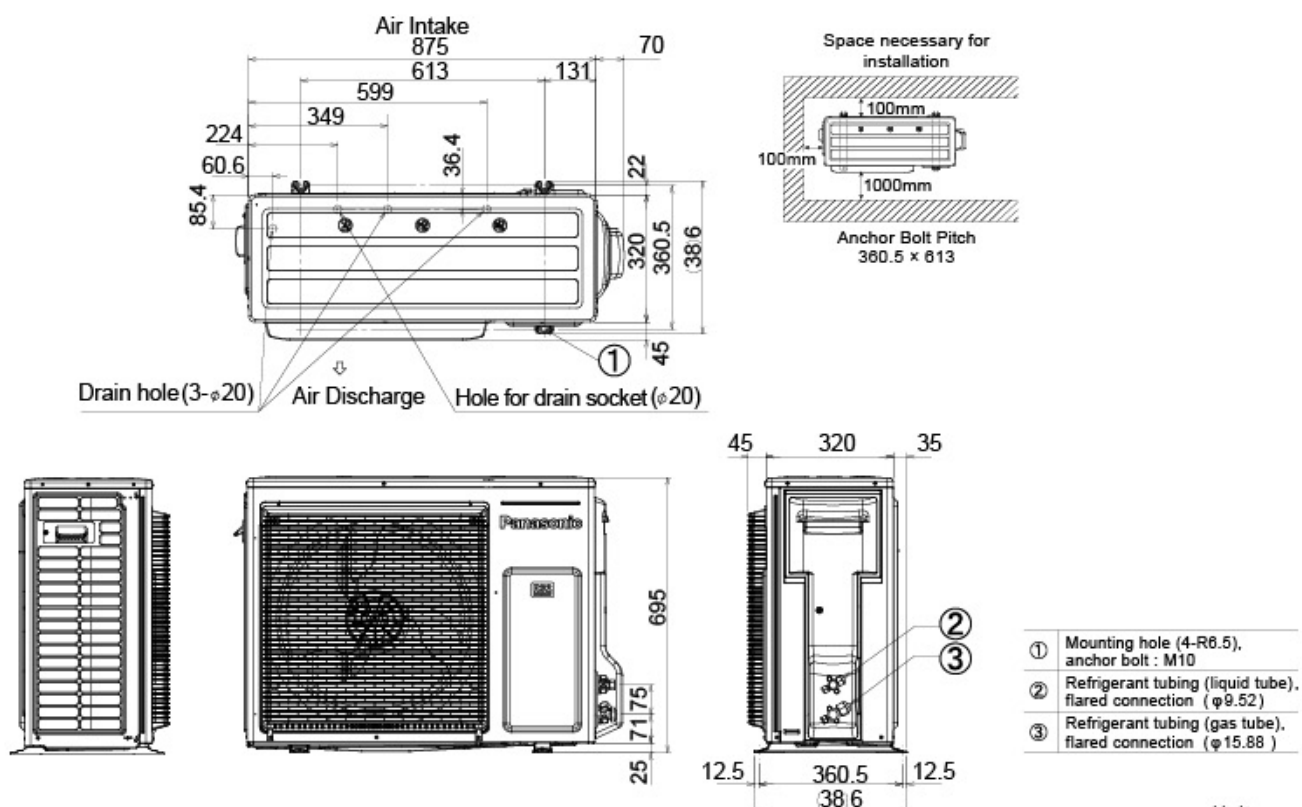
OUTDOOR UNITS

NON-INVERTER MODELS **NEW**

Dimensions U-19PN1H5/ U-25PN1H5 (1-phase)

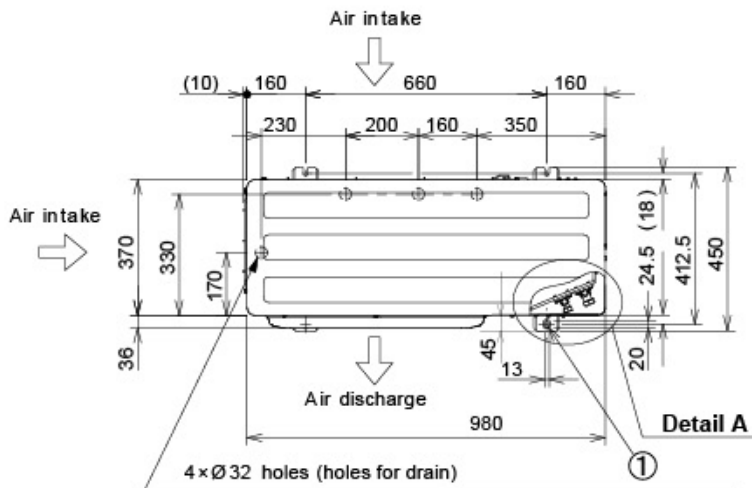


Dimensions U-30PN1H5 (1-phase) U-30PN1H8 / U-36PN1H8 (3-phase)

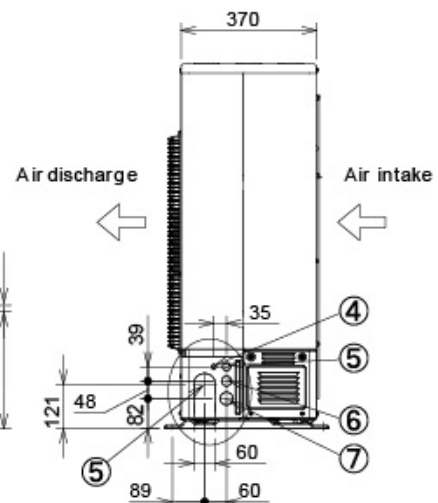
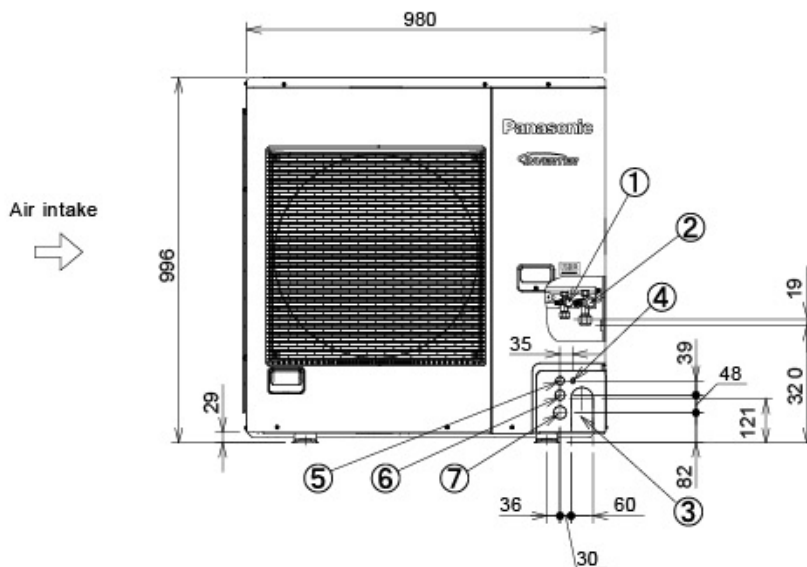
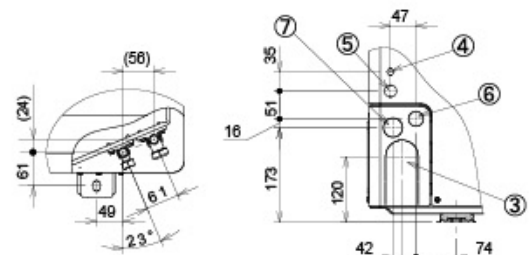
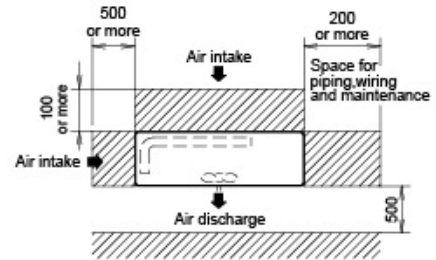


Unit:mm

Dimensions U-42PN1H8 / U-50PN1H8 (3-phase)



When using a drain pipe, install the drain socket (field supply) on to the drain port. Seal the other drain port with the rubber cap.



①	Mounting hole (4-R6.5), anchor bolt : M10
①	Refrigerant tubing (liquid tube), flared connection (Ø9.52)
②	Refrigerant tubing (gas tube), flared connection (Ø15.88)
③	Refrigerant tubing port
④	Electrical wiring port (Ø13)
⑤	Electrical wiring port (Ø22)
⑥	Electrical wiring port (Ø27)
⑦	Electrical wiring port (Ø35)

Unit:mm

- 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 1st November 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



Printed with environmental friendly ink on environmental paper

總代理 Sole Agent



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信興集團
SINCE 1953

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