



- 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 Duct_CAT_2025_V1

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Panasonic Heating & Cooling Solutions

Global site: aircon.panasonic.com
PRO Club: panasonicproclub.global
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PREMIUM INVERTER
DUCTED AIR CONDITIONING



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HVAC Site



Product information



QUALITY AIR FOR LIFE

Panasonic Air Conditioning 24-hour nanoe™ X Air Purification*1



Remote Controller



nanoe™ X is a feature of all NX series units.

The CONEX Zone controller (CZ-RTC6WZ2/CZ-RTC6Z2) and CONEX (CZ-RTC6WBLW2/CZ-RTC6BLW2) lets you switch nanoe™ X OFF and ON wherever you are, giving you 24 hr access to clean air in your room.

*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.

Product Line-Up

Cooling Capacity	6.0kW	7.1kW	10.0kW	12.5kW	14.0kW	16.0kW	18.0kW	20.0kW	22.4kW
R32 REFRIGERANT R32 Deluxe Model	S-71PE4R S-100PE4R S-125PE4R S-140PE4R S-160PE4R / S-160PE4RA S-180PE4R S-200PE4R S-224PE4R								
	U-71PZH3R5	U-100PZH3R5 U-100PZH3R8*2	U-125PZH3R5 U-125PZH3R8*2	U-140PZH3R5 U-140PZH3R8*2	U-160PZH3R5 U-160PZH3R8*2	U-180PZH3R5 U-180PZH3R8*2	U-200PZH3R8*2	U-224PZH3R8*2	
R32 REFRIGERANT R32 Compact Model	S-60PE4R	S-71PE4R	S-100PE4R	S-125PE4R	S-140PE4R				
	U-60PZ4R5	U-71PZ4R5	U-100PZ4R5 U-100PZ4R8*2	U-125PZ4R5 U-125PZ4R8*2	U-140PZ4R5 U-140PZ4R8*2				

*2 3-Phase model.

Live Better with 24-hour nanoe™ X Air Purification^{*1}

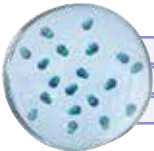
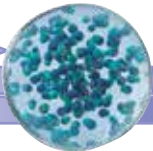
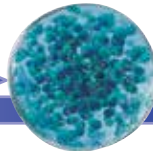
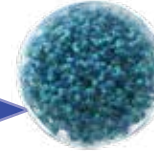
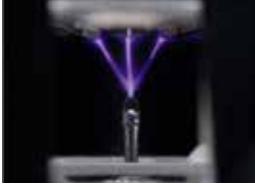
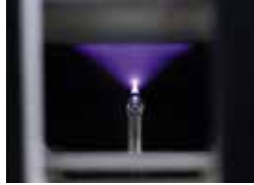
While the general filters in air purifiers are effective against airborne bacteria and viruses, nanoe™ X also works to inhibit longer-living, adhered bacteria and viruses. As well as this, the CONEX remote control (CZ-RTC6WBLW2^{*2}/CZ-RTC6BLW2/CZ-RTC6WZ2^{*2}/CZ-RTC6Z2) gives you access to your air conditioner anywhere, anytime, so you can turn nanoe™ X on even while you're out and enjoy 24-hour quality air in your home.

^{*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.
^{*2} Scheduled release date of 4th Quarter in CY23.



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.

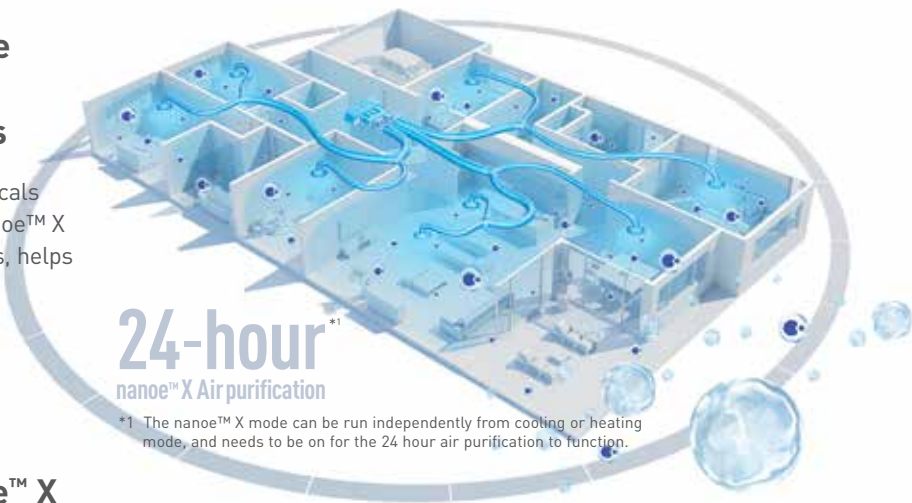
nanoe™ X	nanoe™ X Generator Mark 1	nanoe™ X Generator Mark 2	nanoe™ X Generator Mark 3
			
10x times			
20x times			
100x times			
Hydroxyl radicals			
0.48 Trillion* hydroxyl radicals/sec	4.8 Trillion* hydroxyl radicals/sec	9.6 Trillion* hydroxyl radicals/sec	48 Trillion* hydroxyl radicals/sec
Device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

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

Healthy Air for a Healthy Home with nanoe™ X

Cleaning Your Whole Home by Inhibiting Bacteria and Viruses

Up to 9.6 trillion hydroxyl radicals are releasing per second, nanoe™ X inhibiting bacteria and viruses, helps keeping your home clean.



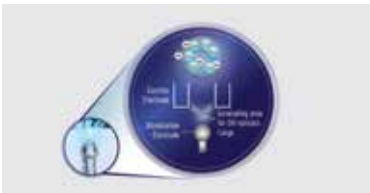
^{*1} The nanoe™ X mode can be run independently from cooling or heating mode, and needs to be on for the 24 hour air purification to function.

Uniqueness of nanoe™ X



Effective on fabrics and surfaces

• Nano-sized (5-20nm) nanoe™ X can penetrate cloth fibres to inhibit adhered pollutants.



Maintenance-free

• The nanoe™ X device requires no maintenance as its atomisation electrode is enveloped with water during its generation process and it is made of Titanium.



Actively fill in the room

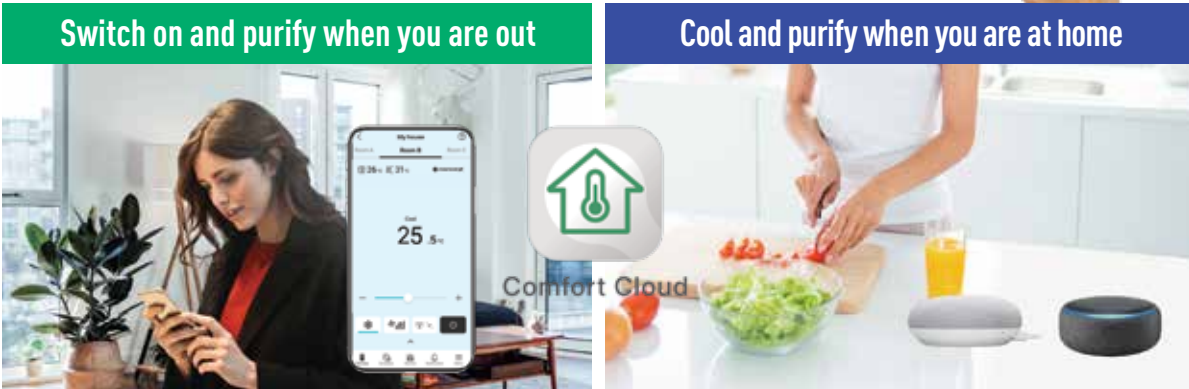
• Hydroxyl radicals contained in water actively fill an entire room and go beyond the filter to inhibit adhered and airborne viruses.

Comfort Cloud App Control with CONEX^{*2}

24hr nanoe™ X Air Purification App Control

CONEX (CZ-RTC6WBLW2/CZ-RTC6BLW2) and CONEX zone controller (CZ-RTC6WZ2/CZ-RTC6Z2) come with WLAN allowing you to control and monitor your air conditioner anytime, anywhere via the Comfort Cloud App. Now you can turn on nanoe™ X even when you are at out, so you can come home to clean air in your house.

^{*2} CZ-RTC6WBLW2, CZ-RTC6BLW2, CZ-RTC6WZ2 and CZ-RTC6Z2





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



Requirements for Connecting with Panasonic Comfort Cloud App



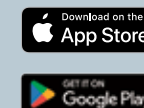
External Adaptor, Remote Controller Network



Other Hardware Requirements*

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

*Purchase and subscribe separately



Download Free App

Panasonic Comfort Cloud app

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



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.



Stress-free Operation with the CONEX Zone Controller

To suit the lifestyles of different families, the optimum air conditioning for any scene at a variety of times can be achieved with simple operation using a smartphone.



Individual comfort

- Airflow volume control**
The damper opening can be controlled with the Comfort Cloud App. Adjust the air volume conveniently according to your lifestyle.

E.g.) Open the living room damper when the family gathers.
For daily naps, reduce airflow volume so that it doesn't get too cold.



Auto optimised comfort for your lifestyle

- Weekly timer**
Able to set 6 timers/day. Realize optimal control day & night for your lifestyle with timers.

E.g.) Usually, pre-cool a child's room 30 minutes before going to bed. After your child is asleep, the air conditioner turns off. If you want your child to rest longer, you can turn on cooling again in the morning.



Enable comfort for whole family

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

E.g.) When gathering in the living room, switch to AC control based on the living room temperature to reach a comfortable temperature. You can also clean the air with the nanoe™ mode.

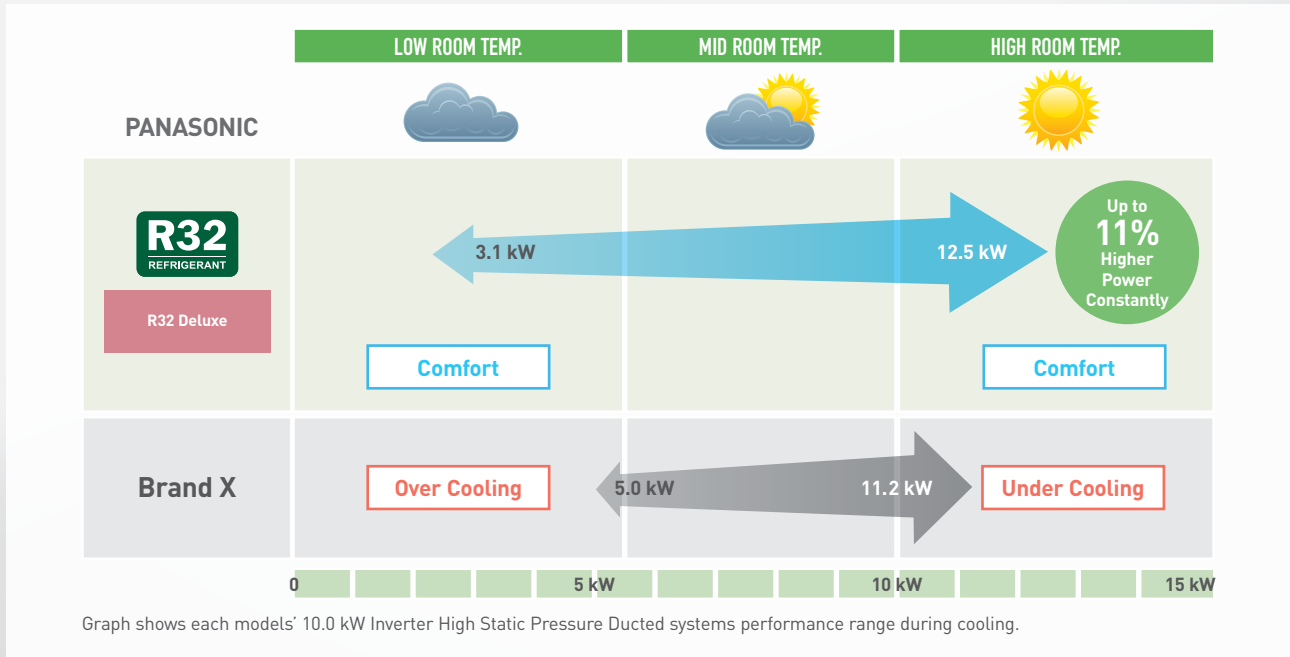
Controllable Function List RC and App	Zone Controller (CZ-RTC6WZ2 / CZ-RTC6Z2)		Comfort Cloud
	ON/OFF (CAPZ1S)	Multiple (CAPZ1M)	APP
Function			 
Power ON/OFF	✓	✓	✓
Temperature setting	✓	✓	✓
Fan Speed Setting	✓	✓	✓
Mode Selection	✓	✓	✓
Zone ON/OFF	✓	✓	✓
Damper Step Settings	—	✓	✓
Weekly Timer	—	—	✓
nanoe™ X ON/OFF	✓	✓	✓
Enter Zone Names	✓	✓	✓
Temperature Zone Setting	✓	✓	✓
Auto Sensor	✓	✓	—
Spill Zone Settings	✓	✓	✓
Spill Zone Notification	✓	✓	✓
Field Settings	✓	✓	✓
Test Run	✓	✓	—
Operate from Outside	—	—	✓
Operate from Any Room	—	—	✓
Multiple Users	—	—	✓

Note: Product images not to scale.

Why Choose Panasonic?

Constant Comfort Air Conditioning

Another advantage of Panasonic Premium Inverter technology includes its ability to ensure precise temperature control and offer a wider power output range to perform in even the most extreme conditions in Australia, ensuring constant comfort.



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, allowing installation in even the tightest and demanding conditions.



Class Leading Features



Energy Saving Technologies

Panasonic's Premium Inverter technology creates a powerhouse energy-saving ducted air conditioning system with the ability to lower both cooling capacity and power consumption when required. Panasonic's clever technologies benefit both the environment and your power bill, so your green intention won't prevent you from living a comfortable life.



Designed for The Australian Environment

Our Premium Inverter ducted systems boast an outstanding operating temperature range. Cooling operation is possible even when it is a scorching up to 48°C outside, which is perfect for Australia's hot summer days and the heating operation is designed to operate even when it's a freezing -20°C outside, so even the coldest parts of Australia are covered.

Note: In case of R32 Deluxe Models up to 14.0kW. Please refer to Technical Data Capacity Table for full details.



Superior Technology Makes Superior Systems

- Demand Response Enabling Device (DRED) ready
- Panasonic Premium Inverter technology
- DC indoor fan motor*
- Incredibly quiet operation
- Compact indoor and outdoor design
- Easy interfacing for remote On/Off, control outputs, and third party control.

* Excludes 14.0kW and 16.0kW.



Quiet Operation

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



Cold Drafts Reduced During Winter

Cold drafts during start-up are a common unwanted side effect of ducted air conditioning systems. During heating mode Panasonic Premium Inverter ducted air conditioners employ clever sensor technology that allows airflow to enter the room when it has been warmed. This great feature reduces cold drafts, keeping you comfortable at all times.



You Can Count on Panasonic

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

Specifications

R32 Deluxe Model

R32
REFRIGERANT

nanoe™X
Generator Mark3
nanoe™X as a standard

Indoor Unit

Hidden in your ceiling



7.1kW – 10.0kW
S-71PE4R / S-100PE4R



12.5kW – 16.0kW
S-125PE4R / S-140PE4R / S-160PE4R



18.0kW – 22.4kW
S-180PE4R / S-200PE4R / S-224PE4R

Outdoor Unit

Sits outside your home



7.1kW
U-71PZH3R5



10.0kW – 14.0kW
U-100PZH3R5 / U-100PZH3R8*1 / U-125PZH3R5
U-125PZH3R8*1 / U-140PZH3R5 / U-140PZH3R8*1



16.0kW – 22.4kW
U-160PZH3R5 / U-160PZH3R8*1
U-180PZH3R5 / U-180PZH3R8*1
U-200PZH3R8*1 / U-224PZH3R8

*1 3-Phase

*1 3-Phase

Optional Controller

Variety of options, easy to use



**CZ-RTC6BLW2 *2 / CZ-RTC6BLW2 *2
CZ-RTC6WBLW *2 / CZ-RTC6WBLW2 *2
CONEX High-Spec.**

This wired remote controller offer IoT integration that connects directly to a variety of apps.



**CZ-RTC6WZ *5 / CZ-RTC6Z *5
CZ-RTC6WZ *5 / CZ-RTC6WZ *5
CONEX Zone Controller**

This remote controller can manage up to 8 zones of air conditioning.



**CZ-RTC5B
Deluxe Wired Remote
Controller**

This optional backlit LED large controller can be installed in your bed room so you can change the temperature during the night without turning on the light.



**CZ-RTC4A
Wired Remote Controller**

The wall control with its large LCD display gives you full operational access and can be easily customised to suit your unique requirements.



**CZ-RWS3 + CZ-RWRC3
Wireless Remote
Controller**

This wireless remote controller gives you the convenience to operate the unit from anywhere in the room.



**PAC Smart
Connectivity
SER8150**

Fully customisable and Building Management System ready wall controller.



**CZ-CAPWFC2
Network Adaptor**

Anywhere, anytime control and monitoring multiple air conditioning units.

*2 Launched in 4th Quarter in CY23. Black models(CZ-RTC6BL/CZ-RTC6BLW2) are also available.

*3 Applicable for CZ-RTC6BLW *2/CZ-RTC6BLW2 *2/CZ-RTC6WBLW *2/CZ-RTC6WBLW2 *2

*4 Applicable for CZ-RTC6WBL *2/CZ-RTC6BL/CZ-RTC6WBLW2 *2/CZ-RTC6BLW2

*5 Launched in 4th Quarter in CY23. A black model(CZ-RTC6Z2) is also available.

Note: CZ-RTC6WBL*2, CZ-RTC6BL, CZ-RTC6WBLW2*2, CZ-RTC6BLW2, CZ-RTC5B, CZ-RTC6WZ2*5, CZ-RTC6Z2 or selected wireless remote controller is needed to turn on or turn off nanoe™ X, please consult Panasonic for details.

Product images not to scale.

Capacity			7.1kW	10.0kW	12.5kW	14.0kW	16.0kW	18.0kW	20.0kW	22.4kW							
Model Name	Indoor Unit Outdoor Unit		S-71PE4R U-71PZH3R5	S-100PE4R U-100PZH3R5	S-100PE4R U-100PZH3R8	S-125PE4R U-125PZH3R5	S-125PE4R U-125PZH3R8	S-140PE4R U-140PZH3R5	S-140PE4R U-140PZH3R8	S-160PE4R U-160PZH3R5	S-160PE4R U-160PZH3R8	S-160PE4RA U-160PZH3R5	S-160PE4RA U-160PZH3R8	S-180PE4R U-180PZH3R5	S-180PE4R U-180PZH3R8	S-200PE4R U-200PZH3R8	S-224PE4R U-224PZH3R8
Cooling capacity : Heating capacity	kW		7.1 (2.2 - 9.0) 8.0 (2.05 - 9.0)	10.0 (3.1 - 12.5) 12.5 (3.8 - 14.0)	10.0 (3.1 - 12.5) 12.5 (3.8 - 14.0)	12.5 (3.2 - 14.0) 14.0 (3.6 - 16.0)	12.5 (3.2 - 14.0) 14.0 (3.6 - 16.0)	14.0 (3.3 - 16.0) 16.0 (3.3 - 18.0)	14.0 (3.3 - 16.0) 16.0 (3.3 - 18.0)	16.0 (5.4-18.0) 18.0 (5.5-20.0)	16.0 (5.4-18.0) 18.0 (5.5-20.0)	16.0 (5.4-18.0) 18.0 (5.5-20.0)	16.0 (5.4-18.0) 18.0 (5.5-20.0)	18.0 (5.5-20.0) 20.0 (5.5-22.4)	18.0 (5.5-20.0) 20.0 (5.5-22.4)	20.0 (5.7-22.4) 22.4 (5.0-25.0)	22.4 (5.7-25.0) 25.0 (4.9-28.0)
		BTU/h	24,200 (7,500 - 30,700) 27,500 (7,000 - 30,700)	34,100 (10,600 - 42,700) 42,700 (12,800 - 47,800)	34,100 (10,600 - 42,700) 42,700 (12,800 - 47,800)	42,700 (10,900 - 47,800) 47,800 (12,300 - 54,600)	42,700 (10,900 - 47,800) 47,800 (12,300 - 54,600)	47,800 (11,300 - 54,600) 54,600 (11,300 - 61,400)	47,800 (11,300 - 54,600) 54,600 (11,300 - 61,400)	54,600 (18,400-61,400) 61,400 (18,800-68,200)	54,600 (18,400-61,400) 61,400 (18,800-68,200)	54,600 (18,400-61,400) 61,400 (18,800-68,200)	54,600 (18,400-61,400) 61,400 (18,800-68,200)	54,600 (18,400-61,400) 61,400 (18,800-68,200)	61,400 (18,800-68,200) 68,200 (18,800-76,400)	61,400 (18,800-68,200) 68,200 (18,800-76,400)	68,200 (19,400-76,400) 76,400 (17,100-85,300)
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	3.30 : 3.75	3.30 : 3.75	3.30 : 3.75	3.33 : 3.67	3.09 : 3.52
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	3.69	2.9	2.9	2.7	2.6
Total power input	Residential	Cooling : Heating	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	4.85 : 4.80	5.63 : 5.33	5.63 : 5.33	6.00 : 6.10	7.24 : 7.10
		Hot Climate	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	4.76 : 5.11	4.33 : 4.95	4.33 : 4.95	4.33 : 4.42	4.00 : 4.55
		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	4.24 : 4.28	3.93 : 4.24	3.93 : 4.24	3.97 : 3.90	3.69 : 3.87
		Cold Climate	4.77 : 4.02	4.78 : 3.95	4.78 : 3.95	5.04 : 4.18	5.04 : 4.18	4.71 : 3.86	4.71 : 3.86	4.36 : 3.71	4.36 : 3.71	4.36 : 3.71	4.36 : 3.71	4.03 : 3.72	4.03 : 3.72	4.05 : 3.45	3.79 : 3.38
		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	5.34 : 5.16	4.73 : 4.99	4.73 : 4.99	4.65 : 4.44	4.27 : 4.68
		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	5.40 : 4.69	4.76 : 4.58	4.76 : 4.58	4.71 : 4.14	4.31 : 4.29
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	5.90 : 4.14	5.90 : 4.14	5.12 : 4.10	5.12 : 4.10	5.01 : 3.74	4.57 : 3.78	
Indoor Unit																	
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	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	230V 240V	230V 240V	230V 240V	230V 240V	230V 240V
Current (rated)	Cooling : Heating	A	1.46 / 1.34 1.46 / 1.34	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 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	2.61 / 2.47 2.61 / 2.47	3.30 : 3.30 3.20 : 3.20	3.30 : 3.30 3.20 : 3.20	3.40 : 3.40 3.30 : 3.30	4.20 : 4.20 4.10 : 4.10
Dimension	H x W x D	Indoor	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	400 X 1,297 X 949	400 X 1,297 X 949	486 X 1,456 X 916	486 X 1,456 X 916	486 X 1,456 X 916	486 X 1,456 X 916
Net weight	Indoor	kg	51	51	51	61	61	61	61	61	61	61	61	82	82	83	87
Air volume (H/M/L)	Cooling : Heating	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	1,000 / 833 / 700 1,000 / 833 / 700	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	1,402 / 1,202 / 985 1,402 / 1,202 / 985
External static pressure		Pa	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	75 / (120/150)	75 / (120/150)	75 / (120/150)	75 / (120/150)
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)	42 / 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	45 / 41 / 37 : 45 / 41 / 37	46 / 44 / 41 : 46 / 44 / 41	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	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	71 / 67 / 63 : 71 / 67 / 63	78 / 76 / 73 : 78 / 76 / 73	78 / 76 / 73 : 78 / 76 / 73	78 / 76 / 73 : 78 / 76 / 73	79 / 77 / 74 : 79 / 77 / 74
Number of fan speeds			5	5	5	5	5	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	VP-25	VP-25	VP-25	VP-25	VP-25
Outdoor Unit																	
Power source		Phase/Hz	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	1 Phase / 50Hz	3 Phase / 50Hz	1 Phase / 50Hz	3 Phase / 50Hz	3Phase / 50Hz	3 Phase / 50Hz
		V	230V 240V	230V 240V	400V 415V	230V 240V	400V 415V	230V 240V	400V 415V	230V 240V	400V 415V	230V 240V	400V 415V	230V 240V	400V 415V	400V 415V	400V 415V
Current (rated)	Cooling : Heating	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	5.05 : 5.05 4.90 : 4.90	19.8 : 18.6 19.0 : 17.9	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	7.80 : 7.70 7.50 : 7.40	23.3 : 21.9 22.3 : 21.0	8.00 : 7.50 7.70 : 7.25	8.45 : 8.60 8.15 : 8.30	9.95 : 9.75 9.60 : 9.40
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	1,416 x 940 x 340	1,500 x 980 x 370	1,500 x 980 x 370	1,500 x 980 x 370	1,500 x 980 x 370	1,500 x 980 x 370	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	117	115	117	115	127	127
Air volume	Cooling : Heating	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	2,150 : 1,933	2,733 : 2,733	2,733 : 2,733	2,733 : 2,733	2,733 : 2,733	2,738 : 2,738	2,738 : 2,738	2,672 : 2,672	2,672 : 2,672
Sound pressure level (H/L)	Cooling : Heating	dB(A)	48 / - : 50 / -	52 / - : 52 / -	52 / - : 52 / -	53 / - : 53 / -	53 / - : 53 / -	54 / - : 54 / -	54 / - : 54 / -	58 / - : 60 / -	58 / - : 60 / -	58 / - : 60 / -	58 / - : 60 / -	- / 58 : - / 60	- / 58 : - / 60	- / 58 : - / 62	- / 58 : - / 62
Sound power level (H/L)	Cooling : Heating	dB	64 / - : 66 / -	68 / - : 68 / -	68 / - : 68 / -	69 / - : 69 / -	69 / - : 69 / -	70 / - : 70 / -	70 / - : 70 / -	76 / - : 78 / -	76 / - : 78 / -	76 / - : 78 / -	76 / - : 78 / -	- / 76 : - / 78	- / 76 : - / 78	- / 77 : - / 81	- / 77 : - / 81
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)	Ø9.52 (3/8) / Ø19.05 (3/4)	Ø9.52 (3/8) / Ø19.05 (3/4)	Ø9.52 / Ø19.05	Ø9.52 / Ø19.05	Ø12.7 / Ø19.05	Ø12.7 / Ø19.05
Pipe length range	min. - max.	m	5 - 50	5 - 85	5 - 85	5 - 85	5 - 85	5 - 85	5 - 85	5 - 100	5 - 100	5 - 100	5 - 100	5 - 100	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	30, 30	30, 30	30, 30	30, 30	30, 30
Maximum chargeless length		m	30	30	30	30	30	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)	R32 3,200 / 45 (g/m)	R32 3,400 / 76.0 (g/m)	R32 3,400 / 76.0 (g/m)	R32 5,200 / 108.0 (g/m)	R32 5,200 / 108.0 (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	-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	-15 to 52 : -20 to 24	-15 to 52 : -20 to 24	-15 to 52 : -20 to 24	-15 to 52 : -20 to 24	-15 to 52 : -20 to 24

Specifications

R32 Compact Model



Indoor Unit

Hidden in your ceiling



6.0kW – 10.0kW

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



12.5kW – 14.0kW

S-125PE4R / S-140PE4R

Outdoor Unit

Sits outside your home



6.0kW

U-60PZ4R5



7.1kW

U-71PZ4R5



10.0kW

U-100PZ4R5



10.0kW – 14.0kW

U-100PZ4R8*/ U-125PZ4R5

U-125PZ4R8*/ U-140PZ4R5 / U-140PZ4R8*

*1 3-Phase

Optional Controller

Variety of options, easy to use



CZ-RTC6BLW *2 / CZ-RTC6BLW2 *2
CZ-RTC6WBLW *2 / CZ-RTC6WBLW2 *2
CONEX High-Spec.

This wired remote controller offer IoT integration that connects directly to a variety of apps.



CZ-RTC6Z *5 / CZ-RTC6Z2 *5
CZ-RTC6WZ *5 / CZ-RTC6WZ2 *5
CONEX Zone Controller

This remote controller can manage up to 8 zones of air conditioning.



CZ-RTC5B
Deluxe Wired Remote Controller

This optional backlit LED large controller can be installed in your bed room so you can change the temperature during the night without turning on the light.



CZ-RTC4A
Wired Remote Controller

The wall control with its large LCD display gives you full operational access and can be easily customised to suit your unique requirements.



CZ-RWS3 + CZ-RWRC3
Wireless Remote Controller

This wireless remote controller gives you the convenience to operate the unit from anywhere in the room.



PAC Smart Connectivity
SER8150

Fully customisable and Building Management System ready wall controller.



CZ-CAPWFC2
Network Adaptor

Anywhere, anytime control and monitoring multiple air conditioning units.

*2 Launched in 4th Quarter in CY23. Black models(CZ-RTC6BL/CZ-RTC6BLW2) are also available.

*3 Applicable for CZ-RTC6BLW */CZ-RTC6BLW2 */CZ-RTC6WBLW */CZ-RTC6WBLW2 *

*4 Applicable for CZ-RTC6WBL */CZ-RTC6BL/CZ-RTC6WBLW2*/CZ-RTC6BLW2

*5 Launched in 4th Quarter in CY23. A black model(CZ-RTC6Z2) is also available.

Note: CZ-RTC6WBL*, CZ-RTC6BL, CZ-RTC6WBLW2*, CZ-RTC6BLW2, CZ-RTC5B, CZ-RTC6WZ2*, CZ-RTC6Z2 or selected wireless remote controller is needed to turn on or turn off nanoe™ X, please consult Panasonic for details.

Product images not to scale.

Capacity			6.0kW		7.1kW		10.0kW		12.5kW		14.0kW	
Model Name	Indoor Unit		S-60PE4R	S-71PE4R	S-100PE4R	S-100PE4R	S-100PE4R	S-125PE4R	S-125PE4R	S-125PE4R	S-140PE4R	S-140PE4R
	Outdoor Unit		U-60PZ4R5	U-100PZ4R5	U-100PZ4R5	U-100PZ4R5	U-100PZ4R5	U-125PZ4R5	U-125PZ4R5	U-125PZ4R5	U-140PZ4R5	U-140PZ4R5
Cooling capacity : Heating capacity	kW		6.0 (2.0 ~ 7.1) 6.0 (1.8 ~ 7.0)	7.1 (2.6 ~ 7.7) 7.1 (2.05 ~ 8.1)	9.5 (3.0 ~ 11.0) 10.0 (2.7 ~ 12.0)		10.0 (2.8 ~ 11.5) 10.0 (3.2 ~ 14.0)	12.5 (3.2 ~ 13.5) 12.5 (3.3 ~ 15.0)	12.5 (3.2 ~ 13.5) 12.5 (3.3 ~ 15.0)	14.0 (3.3 ~ 15.0) 14.0 (3.5 ~ 16.0)	14.0 (3.3 ~ 15.0) 14.0 (3.5 ~ 16.0)	
		BTU/h	20,500 (6,800 ~ 24,200) 20,500 (6,100 ~ 23,900)	24,200 (8,900 ~ 26,300) 24,200 (7,000 ~ 27,600)	32,400 (10,200 ~ 37,500) 34,100 (10,900 ~ 40,900)		34,100 (9,600 ~ 39,200) 34,100 (10,900 ~ 47,800)	42,700 (10,900 ~ 46,100) 42,700 (11,300 ~ 51,200)	42,700 (10,900 ~ 46,100) 42,700 (11,300 ~ 51,200)	47,800 (11,300 ~ 51,200) 47,800 (11,800 ~ 54,600)	47,800 (11,300 ~ 51,200) 47,800 (11,800 ~ 54,600)	
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	
COP@H2 condition		W/W	4.12	4.16	3.51		4.00	4.22	4.22	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	
TCSPF : HSPF	Residential	Cooling : Heating	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	
		Hot Climate	4.26 : 4.51	4.12 : 4.48	4.09 : 3.98		4.49 : 4.40	4.54 : 4.56	4.54 : 4.56	4.12 : 4.23	4.12 : 4.23	
		Average 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	
	Commercial	Cold 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	
		Hot 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	
		Average 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	
Indoor Unit												
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	
		V	230V 240V	230V 240V	230V 240V		230V 240V	230V 240V	230V 240V	230V 240V	230V 240V	
Dimensions	H × W × D	Indoor	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	
Net weight		Indoor / Panel	kg	51	51		51	61	61	61	61	
Air volume (H/M/L)		Cooling : Heating	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	
External static pressure			Pa	80 (10 ~ 150)	80 (10 ~ 150)		80 (10 ~ 150)	80 (10 ~ 150)	80 (10 ~ 150)	80 (10 ~ 150)	80 (10 ~ 150)	
Sound pressure level (H/M/L)		Cooling : Heating	dB(A)	38 / 36 / 32 : 38 / 36 / 32	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	
Sound power level (H/M/L)		Cooling : Heating	dB	64 / 62 / 58 : 64 / 62 / 58	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	
Number of fan speeds				5	5		5	5	5	5	5	
Drain piping			mm	VP-25	VP-25		VP-25	VP-25	VP-25	VP-25	VP-25	
Outdoor Unit												
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	
		V	230V 240V	230V 240V	230V 240V		400V 415V	230V 240V	400V 415V	230V 240V	400V 415V	
Current (rated)		A	8.10 : 6.30 7.75 : 6.05	9.55 : 7.35 9.20 : 7.05	13.2 : 12.3 12.6 : 11.8		4.60 : 39.0 4.45 : 3.75	17.3 : 14.0 16.3 : 13.4	5.40 : 4.45 5.20 : 4.30	20.6 : 16.8 19.7 : 16.1	6.60 : 5.40 6.40 : 5.20	
Dimensions	H × W × D		mm	619 x 824 x 299	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	996 x 980 x 370	
Net weight			kg	35	45		55	83	82	83	82	
Air volume		Cooling : Heating	l/s	566 : 550	750 : 766		933 : 883	1,216 : 1,216	1,366 : 1,333	1,400 : 1,366	1,400 : 1,366	
Sound pressure level (H)		Cooling : Heating	dB(A)	47 : 47	47 : 49		54 : 54	52 : 52	55 : 55	56 : 56	56 : 56	
Sound power level (H)		Cooling : Heating	dB	65 : 65	65 : 67		72 : 72	73 : 73	73 : 73	74 : 74	74 : 74	
Piping connections		Liquid / Gas	mm	Ø6.35 (1/4) / Ø12.70 (1/2)	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)	
Pipe length range		min. ~ max.	m	3 ~ 30	3 ~ 30		3 ~ 30	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	
Maximum chargeless length			m	10	10		10	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)	
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	

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