Panasonic®

Building Passion,
Building Solutions.
Panasonic Air Conditioning Systems

We face a time in which "quality air" differentiates business. It's a time for Panasonic to fully display its strengths. Our ability to assemble and build superior systems isn't just due to the rich resources we have as a comprehensive electronics manufacturer, but also to Panasonic's 100 years of tradition, where each person thinks and acts on their own initiative while working in a team to reach further heights. We do not compromise. Each of our independent selves is a one stop solution. We face our customers' challenges together with our customers and do all that we can to build effective systems. As a true partner for our customers, we strive to always be at the forefront of business.

- 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 February 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

Panasonic NZ Ltd

18 Sir Woolf Fisher Drive Highbrook,
East Tamaki Auckland 2013, New Zealand

www.panasonic.com/nz
Customer Care Phone: (09) 272 0178

Panasonic Heating & Cooling Solutions

Global site: aircon.panasonic.com
PRO Club: panasonicproclub.global

airconpanasonicglobal

Panasonic

PREMIUM INVERTER DUCTED AIR CONDITIONING

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

HVAC Site

Product information

nanoe™X

R32 REFRIGERANT

SENSITIVE CHOICE nanoeX

QUALITY AIR FOR LIFE

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

Remote Controller

NEW

(CZ-RTC6WZ2)

(CZ-RTC6Z2)

CONEX
Zone controller

NEW

(CZ-RTC6WBLW2)

(CZ-RTC6BLW2)

CONEX

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-71PE3R	 S-100PE3R	 S-125PE3R	 S-140PE3R	 S-160PE3R	 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-60PE3R	 S-71PE3R	 S-100PE3R	 S-125PE3R	 S-140PE3R				
	 U-60PZ3R5	 U-71PZ3R5	 U-100PZ3R5 U-100PZ3R8*2	 U-125PZ3R5 U-125PZ3R8*2	 U-140PZ3R5 U-140PZ3R8*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/CZ-RTC6BLW2/CZ-RTC6WZ2/CZ-RTC6Z2) gives you access to your air conditioner anywhere, anytime, so you can turn nanoe™ X on even while you're out and enjoy 24-hour quality air in your home.

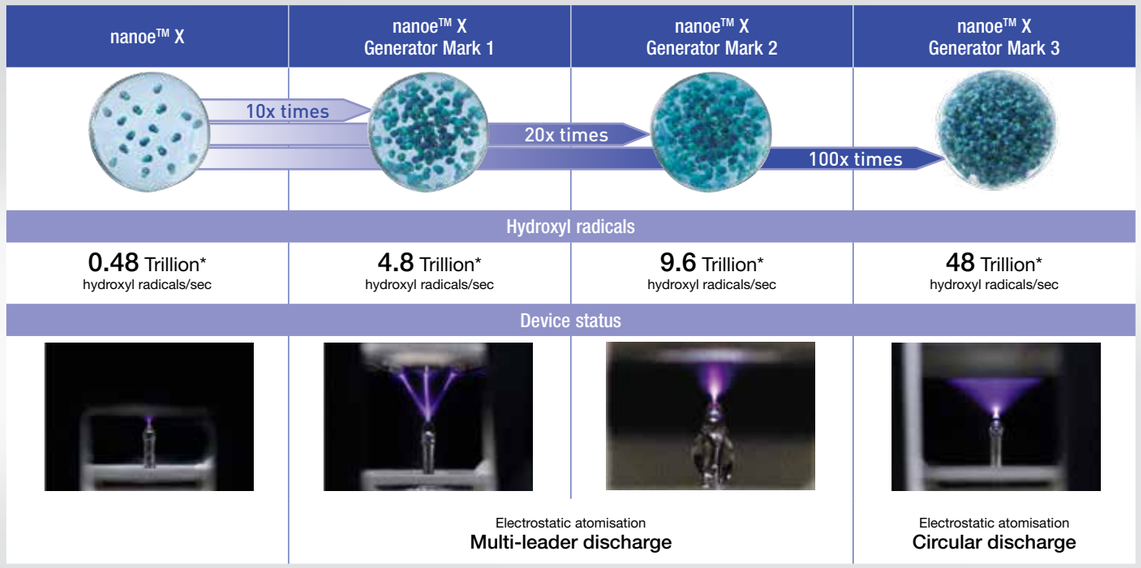
*1 The nanoe™ X mode can be run independently from cooling or heating mode, and needs to be on for the 24 hour air purification to function.

nanoe™ X

Technical information

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.



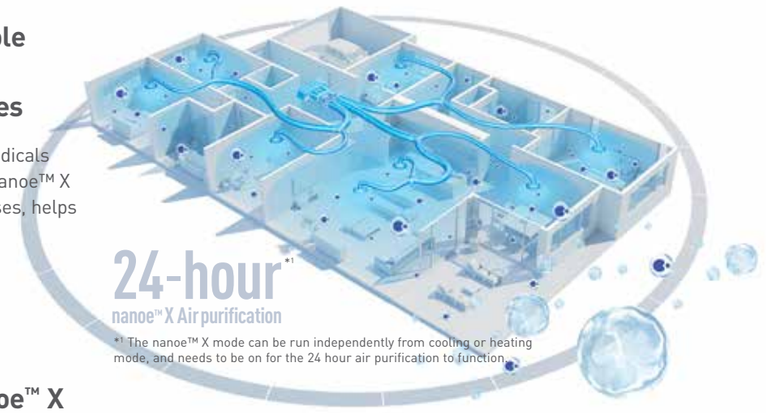
* Measured using the ESR method (amount of hydroxyl radicals immediately after release from the generator. (Source: Panasonic internal research)

nanoeX

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.

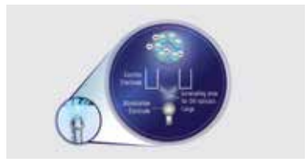


*1 The nanoe™ X mode can be run independently from cooling or heating mode, and needs to be on for the 24 hour air purification to function.

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

Switch on and purify when you are out

Cool and purify when you are at home

Comfort Cloud x CONEX* — For Light commercial

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.

24-hour nanoe X Air Purification

Group Status

Statistics

Requirements for Connecting with Panasonic Comfort Cloud App

External Adapter, Remote Controller Network

Note: Product images not to scale.

Comfort Cloud x CONEX Zone Controller* — For Residential

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/day. 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.

24-hour nanoe X Air Purification

Zone Status

Statistics

Other Hardware Requirements*

Router - Internet - Smartphone
(Required 2.4GHz transmission channel)

*Purchase and subscribe separately

Compatible Device and Browsers

1. iOS 9.0 or above
2. Android™ 5.0 Lollipop or later

Download Free App

Panasonic Comfort Cloud app

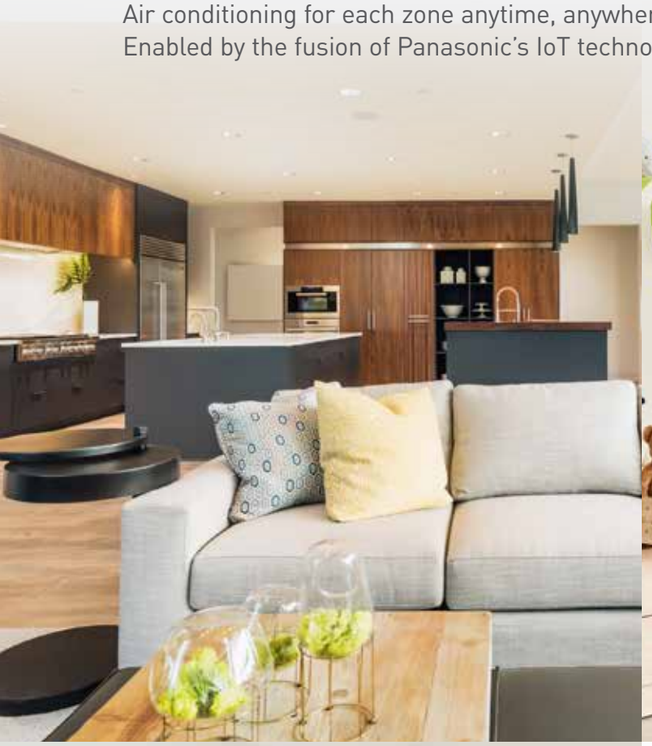
Note: Product images not to scale.

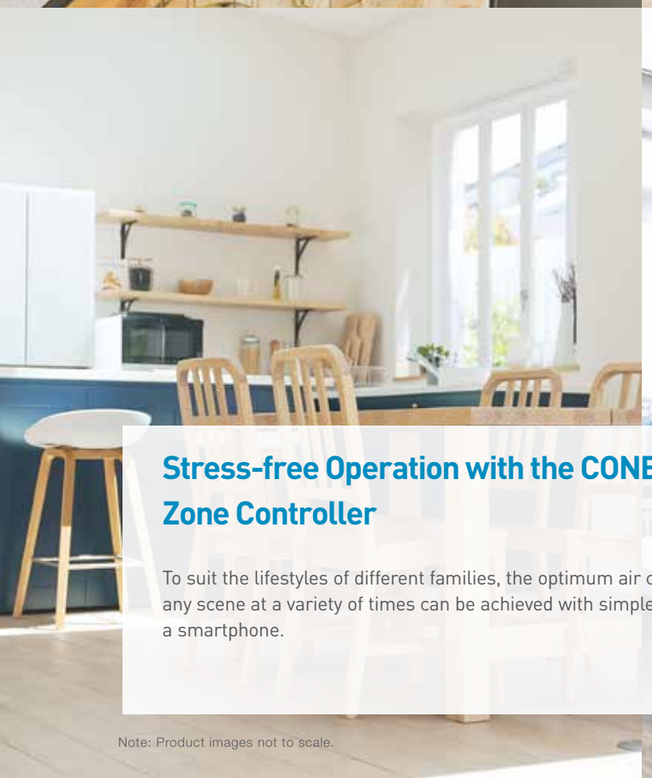
Next Generation One-touch Control, Anytime, Anywhere

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

CONEX Zone Controller

Product movie





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.

Note: Product images not to scale.

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

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

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.

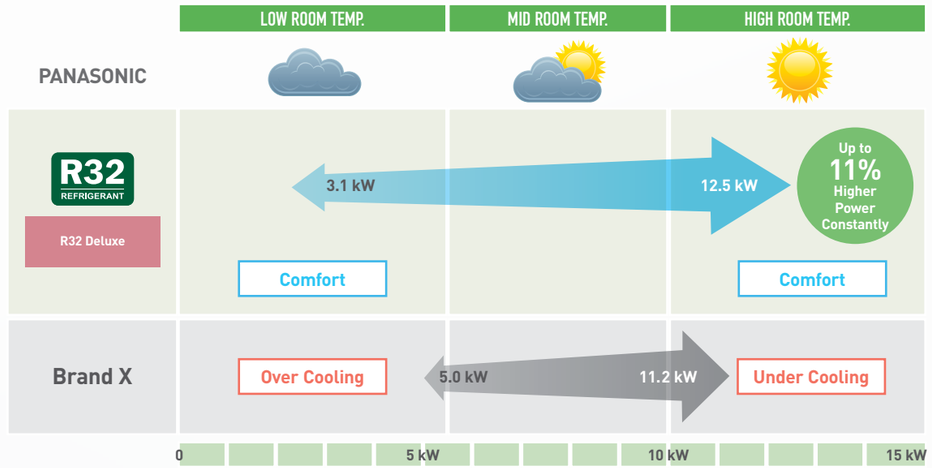
Controllable Function List RC and App	Zone Controller (CZ-RTC6WZ* / CZ-RTC6Z)		Comfort Cloud
	ON/OFF (CAPZ1S)	Multiple (CAPZ1M)	APP
Function			
Power ON/OFF	✓	✓	✓
Temperature setting	✓	✓	✓
Fan Speed Setting	✓	✓	✓
Mode Selection	✓	✓	✓
Zone ON/OFF	✓	✓	✓
Damper Step Settings	—	✓	✓
Weekly Timer	—	—	✓
nanoe™ X ON/OFF	✓	✓	✓
WLAN Settings	✓	✓	—
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 New Zealand, ensuring constant comfort.



Graph shows each models' 10.0 kW Inverter High Static Pressure Ducted systems performance range during cooling.

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 New Zealand Environment

Our Premium Inverter ducted systems boast an outstanding operating temperature range. Cooling operation is possible even when it is a scorching up to 48ºC outside, which is perfect for New Zealand hot summer days and the heating operation is designed to operate even when it's a freezing -20ºC outside, so even the coldest parts of New Zealand 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 Mark2

nanoe™X Generator Mark3

nanoe™X as a standard*

*nanoe™ X Generator Mark 2 (7.1 kW-14.0 kW)
nanoe™ X Generator Mark 3 (16.0 kW-22.4 kW)

INVERTER | DRED ready | MEPS COMPLIANT | Blue Fin Condenser

HSP Ducted

Product movie

Indoor Unit

Hidden in your ceiling

7.1kW – 10.0kW
S-71PE3R / S-100PE3R

12.5kW – 16.0kW
S-125PE3R / S-140PE3R / S-160PE3R

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

*1 3-Phase

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

*1 3-Phase

Optional Controller

Variety of options, easy to use

Comfort Cloud App*3
Control App*4

CZ-RTC6W*2 / CZ-RTC6WBL*2 / CZ-RTC6WBLW2*2 CONEX High-Spec.
This wired remote controller offer IoT integration that connects directly to a variety of apps.

Comfort Cloud App

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.

Comfort Cloud

CZ-CAPWFC2 Network Adaptor
Anywhere, anytime control and monitoring multiple air conditioning units.

*2 Black models (CZ-RTC6/CZ-RTC6BL/CZ-RTC6BLW2) are also available.
*3 Applicable for CZ-RTC6WBLW2/CZ-RTC6BLW2
*4 Applicable for CZ-RTC6WBL/CZ-RTC6BL/CZ-RTC6WBLW2/CZ-RTC6BLW2
*5 A black model (CZ-RTC6Z2) is also available.

Note: CZ-RTC6W, CZ-RTC6, 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			7.1kW	10.0kW		12.5kW		14.0kW		16.0kW		18.0kW		20.0kW	22.4kW
Model Name	Indoor Unit		S-71PE3R	S-100PE3R	S-100PE3R	S-125PE3R	S-125PE3R	S-140PE3R	S-140PE3R	S-160PE3R	S-160PE3R	S-180PE4R	S-180PE4R	S-200PE4R	S-224PE4R
	Outdoor Unit		U-71PZH3R5	U-100PZH3R5	U-100PZH3R8	U-125PZH3R5	U-125PZH3R8	U-140PZH3R5	U-140PZH3R8	U-160PZH3R5	U-160PZH3R8	U-180PZH3R5	U-180PZH3R8	U-200PZH3R8	U-224PZH3R8
Cooling capacity : Heating capacity		kW	7.1 (2.2 - 9.0) 8.0 (2.0 - 9.0)	10.0 (3.1 - 12.5) 11.2 (3.1 - 14.0)	10.0 (3.1 - 12.5) 11.2 (3.1 - 14.0)	12.5 (3.2 - 14.0) 14.0 (3.2 - 16.0)	12.5 (3.2 - 14.0) 14.0 (3.2 - 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 (5.2-18.0) 18.0 (5.5-20.0)	16.0 (5.2-18.0) 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) 27,300 (6,800 - 30,700)	34,100 (10,600 - 42,700) 38,200 (10,600 - 47,800)	34,100 (10,600 - 42,700) 38,200 (10,600 - 47,800)	42,700 (10,900 - 47,800) 47,800 (10,900 - 54,600)	42,700 (10,900 - 47,800) 47,800 (10,900 - 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 (17,700-61,400) 61,400 (18,800-68,200)	54,600 (17,700-61,400) 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)	76,400 (19,400-85,300) 85,300 (16,700-95,500)
EER : COP		W/W	3.48 : 3.88	3.79 : 3.78	3.79 : 3.78	3.57 : 3.80	3.57 : 3.80	3.26 : 3.68	3.26 : 3.68	3.29 : 3.53	3.29 : 3.53	3.20 : 3.75	3.20 : 3.75	3.33 : 3.67	3.09 : 3.52
COP@H2 condition		W/W	2.80	2.77	2.77	2.72	2.72	2.65	2.65	2.81	2.81	2.9	2.9	2.7	2.6
Total power input	Cooling : Heating	kW	2.04 : 2.06	2.64 : 2.96	2.64 : 2.96	3.50 : 3.68	3.50 : 3.68	4.30 : 4.35	4.30 : 4.35	4.86 : 5.10	4.86 : 5.10	5.63 : 5.33	5.63 : 5.33	6.00 : 6.10	7.24 : 7.10
TCSPF : HSPF	Residential Hot Climate		4.68 : 4.82	5.04 : 5.10	5.04 : 5.10	4.92 : 5.17	4.92 : 5.17	4.29 : 4.69	4.29 : 4.69	4.48 : 4.43	4.48 : 4.43	4.33 : 4.95	4.33 : 4.95	4.33 : 4.42	4.00 : 4.55
	Residential Average Climate		4.11 : 4.22	4.46 : 4.34	4.46 : 4.34	4.49 : 4.40	4.49 : 4.40	3.92 : 4.07	3.92 : 4.07	4.03 : 3.89	4.03 : 3.89	3.93 : 4.24	3.93 : 4.24	3.97 : 3.90	3.69 : 3.87
	Residential Cold Climate		4.19 : 3.79	4.54 : 3.93	4.54 : 3.93	4.60 : 3.90	4.60 : 3.90	4.03 : 3.62	4.03 : 3.62	4.08 : 3.49	4.08 : 3.49	4.03 : 3.72	4.03 : 3.72	4.05 : 3.45	3.79 : 3.38
	Commercial Hot Climate		5.15 : 4.85	5.55 : 5.15	5.55 : 5.15	5.36 : 5.23	5.36 : 5.23	4.63 : 4.74	4.63 : 4.74	5.03 : 4.43	5.03 : 4.43	4.73 : 4.99	4.73 : 4.99	4.65 : 4.44	4.27 : 4.68
	Commercial Average Climate		5.00 : 4.52	5.47 : 4.73	5.47 : 4.73	5.55 : 4.80	5.55 : 4.80	4.60 : 4.39	4.60 : 4.39	5.22 : 4.13	5.22 : 4.13	4.76 : 4.58	4.76 : 4.58	4.71 : 4.14	4.31 : 4.29
	Commercial Cold Climate		5.37 : 4.11	5.87 : 4.32	5.87 : 4.32	5.97 : 4.31	5.97 : 4.31	4.91 : 3.96	4.91 : 3.96	5.79 : 3.77	5.79 : 3.77	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
		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
Current (rated)	Cooling : Heating		–*6	–*6	–*6	–*6	–*6	–*6	–*6	2.41 : 2.41 | 2.38 : 2.38	2.41 : 2.41 | 2.38 : 2.38	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	mm	360 X 1,200 X 700	360 X 1,200 X 700	360 X 1,200 X 700	430 X 1,200 X 700	430 X 1,200 X 700	430 X 1,200 X 700	430 X 1,200 X 700	430 x 1200 x 700	430 x 1200 x 700	486 X 1456 X 916	486 X 1456 X 916	486 X 1456 X 916	486 X 1456 X 916
Net weight	Indoor	kg	36	37	37	41	41	50	50	50	50	82	82	83	87
Air volume (H/M/L)	Cooling : Heating	L/s	501 / 434 / 367 : 501 / 434 / 367	668 / 584 / 484 : 668 / 584 / 484	668 / 584 / 484 : 668 / 584 / 484	835 / 768 / 601 : 835 / 768 / 601	835 / 768 / 601 : 835 / 768 / 601	1,002 / 835 / 701 : 1,002 / 835 / 701	1,002 / 835 / 701 : 1,002 / 835 / 701	1,002 / 835 / 701 : 1,002 / 835 / 701	1,002 / 835 / 701 : 1,002 / 835 / 701	1,202 / 1,052 / 885 : 1,202 / 1,052 / 885	1,202 / 1,052 / 885 : 1,202 / 1,052 / 885	1,202 / 1,052 / 885 : 1,202 / 1,052 / 885	1,402 / 1,202 / 985 : 1,402 / 1,202 / 985
External static pressure		Pa	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (50 -150*7)	100 (50 -150*7)	100 / (Max 150)	100 / (Max 150)	60 / (100/150)	60 / (100/150)	75 / (120/180)	75 / (130/200)
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)	45 / 44 / 43 : 45 / 44 / 43	48 / 46 / 44 : 48 / 46 / 44	48 / 46 / 44 : 48 / 46 / 44	49 / 47 / 45 : 49 / 47 / 45	49 / 47 / 45 : 49 / 47 / 45	51 / 49 / 47 : 51 / 49 / 47	51 / 49 / 47 : 51 / 49 / 47	51 / 49 / 47 : 51 / 49 / 47	51 / 49 / 47 : 51 / 49 / 47	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	62 / 61 / 60 : 62 / 61 / 60	70 / 68 / 66 : 70 / 68 / 66	70 / 68 / 66 : 70 / 68 / 66	71 / 69 / 67 : 71 / 69 / 67	71 / 69 / 67 : 71 / 69 / 67	73 / 71 / 69 : 73 / 71 / 69	73 / 71 / 69 : 73 / 71 / 69	73 / 71 / 69 : 73 / 71 / 69	73 / 71 / 69 : 73 / 71 / 69	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			3	3	3	3	3	3	3	3	3	3	3	3	3
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
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	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	400V | 415V	400V | 415V
Current (rated)	Cooling : Heating	A	9.85 : 9.95 | 9.55 : 9.65	12.8 : 14.3 | 12.2 : 13.7	4.25 : 4.75 | 4.15 : 4.60	16.7 : 17.6 | 16.0 : 16.8	5.60 : 5.90 | 5.40 : 5.70	19.7 : 19.9 | 18.9 : 19.1	6.60 : 6.70 | 6.35 : 6.45	22.5 : 23.6 | 21.5 : 22.6	7.80 : 8.20 | 7.50 : 7.90	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 × W × D	mm	996 x 940 x 340	1,416 x 940 x 340	1,416 × 940 × 340	1,416 x 940 x 340	1,416 × 940 × 340	1,416 x 940 x 340	1,416 × 940 × 340	1500 x 980 x 370	1500 x 980 x 370	1500 x 980 x 370	1500 x 980 x 370	1500 × 980 × 370	1500 x 980 x 370
Net weight		kg	66	99	99	99	99	99	99	117	115	117	115	127	127
Air volume	Cooling : Heating	L/s	1,018 : 1,002	1,970 : 1,803	1,970 : 1,803	2,087 : 1,870	2,087 : 1,870	2,154 : 1,937	2,154 : 1,937	2,738 : 2,738	2,738 : 2,738	2,738 : 2,738	2,738 : 2,738	2,672 : 2,672	2,672 : 2,672
Sound pressure level (Silent mode)	Cooling : Heating	dB(A)	48 (46) : 50 (48)	52 (50) : 52 (50)	52 (50) : 52 (50)	53 (51) : 53 (51)	53 (51) : 53 (51)	54 (52) : 54 (52)	54 (52) : 54 (52)	58 : 60	58 : 60	58 : 60	58 : 60	58 : 62	58 : 62
Sound power level (Silent mode)	Cooling : Heating	dB	64 (62) : 66 (64)	68 (66) : 68 (66)	68 (66) : 68 (66)	69 (67) : 69 (67)	69 (67) : 69 (67)	70 (68) : 70 (68)	70 (68) : 70 (68)	76 : 78	76 : 78	76 : 78	76 : 78	77 : 81	77 : 81
Piping connections	Liquid / Gas	mm	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø19.05	Ø9.52 / Ø19.05	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
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
Maximum chargeless length		m	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 / 63.5 (g/m)	R32 3,200 / 63.5 (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

Notes:
• In the case of nanoe X OFF • In case it is necessary to indicate the air flow volume in [L/s], the value in [m³/min.] shall be multiplied by 16.7 and rounded down the decimal point.
• AEER and ACOP classification is at 230V[400V] only in accordance with GEMS2019. • TCSPF, HSPF and Total Energy consumption indicate the value of average temperature zone.
• Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions
*6 Outdoor power supply. *7 Not adjustable, refer to "Indoor Fan Performance" section of technical data.
*8 Tubing size may differ depending on pipe length. Please refer to technical documents. *9 Additional gas amount is 45g/m when the piping length is under 50m and 60g/m when the piping length is over 50m.

Specifications

R32 Compact Model

R32 REFRIGERANT

nanoe™X Generator Mark2

nanoe™X as a standard

Indoor Unit

Hidden in your ceiling

6.0kW

S-60PE3R

7.1kW – 10.0kW

S-71PE3R / S-100PE3R

12.5kW – 14.0kW

S-125PE3R / S-140PE3R

Outdoor Unit

Sits outside your home

6.0kW – 7.1kW

U-60PZ3R5 / U-71PZ3R5

10.0kW – 14.0kW

U-100PZ3R5 / U-100PZ3R8*1/ U-125PZ3R5
U-125PZ3R8*1/ U-140PZ3R5 / U-140PZ3R8*1

*1 3-Phase

Optional Controller

Variety of options, easy to use

Comfort Cloud App*3

Control App*4

CZ-RTC6W*2 / CZ-RTC6WBL*2 / CZ-RTC6WBLW2*2
CONEX High-Spec.

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

Comfort Cloud App

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.

Comfort Cloud

CZ-CAPWFC2
Network Adaptor

Anywhere, anytime control and monitoring multiple air conditioning units.

*2 Black models (CZ-RTC6/CZ-RTC6BL/CZ-RTC6BLW2) are also available.
*3 Applicable for CZ-RTC6WBLW2/CZ-RTC6BLW2
*4 Applicable for CZ-RTC6WBL/CZ-RTC6BL/CZ-RTC6WBLW2/CZ-RTC6BLW2
*5 A black model (CZ-RTC6Z2) is also available.

Note: CZ-RTC6W, CZ-RTC6, 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-60PE3R	S-71PE3R	S-100PE3R	S-100PE3R	S-125PE3R	S-125PE3R	S-140PE3R	S-140PE3R
		Outdoor Unit		U-60PZ3R5	U-71PZ3R5	U-100PZ3R5	U-100PZ3R8	U-125PZ3R5	U-125PZ3R8	U-140PZ3R5	U-140PZ3R8
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 (2.1 - 8.1)	10.0 (3.0 - 11.5) 10.0 (3.0 - 14.0)	10.0 (3.0 - 11.5) 10.0 (3.0 - 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 (3.4 - 16.0)	14.0 (3.3 - 15.0) 14.0 (3.4 - 16.0)
			BTU/h	20,500 (6,800 - 24,200) 20,500 (6,100 - 23,900)	24,200 (8,900 - 26,300) 24,200 (7,200 - 27,600)	34,100 (10,200 - 39,200) 34,100 (10,200 - 47,800)	34,100 (10,200 - 39,200) 34,100 (10,200 - 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 (11,600 - 54,600)	47,800 (11,300 - 51,200) 47,800 (11,600 - 54,600)
EER : COP			W/W	3.26 : 4.08	3.21 : 4.25	3.58 : 4.08	3.58 : 4.08	3.55 : 4.03	3.55 : 4.03	3.25 : 3.76	3.25 : 3.76
COP@H2 condition			W/W	3.00	3.11	2.88	2.88	2.56	2.56	2.68	2.68
Total power input		Cooling : Heating	kW	1.84 : 1.47	2.21 : 1.67	2.79 : 2.45	2.79 : 2.45	3.52 : 3.10	3.52 : 3.10	4.31 : 3.72	4.31 : 3.72
TCSPF : HSPF	Residential	Hot Climate		3.98 : 3.95	3.96 : 4.05	4.64 : 3.95	4.64 : 3.95	4.60 : 3.93	4.60 : 3.93	4.27 : 3.79	4.27 : 3.79
		Average Climate		3.56 : 3.88	3.59 : 4.00	4.17 : 3.81	4.17 : 3.81	4.16 : 3.79	4.16 : 3.79	3.92 : 3.64	3.92 : 3.64
		Cold Climate		3.58 : 3.59	3.63 : 3.70	4.23 : 3.55	4.23 : 3.55	4.26 : 3.47	4.26 : 3.47	4.03 : 3.34	4.03 : 3.34
	Commercial	Hot Climate		4.25 : 3.83	4.22 : 3.91	4.99 : 3.90	4.99 : 3.90	4.96 : 3.84	4.96 : 3.84	4.56 : 3.70	4.56 : 3.70
		Average Climate		4.16 : 3.74	4.19 : 3.83	4.98 : 3.80	4.98 : 3.80	4.88 : 3.73	4.88 : 3.73	4.53 : 3.58	4.53 : 3.58
		Cold Climate		4.38 : 3.58	4.41 : 3.67	5.28 : 3.61	5.28 : 3.61	5.20 : 3.52	5.20 : 3.52	4.81 : 3.40	4.81 : 3.40
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	mm	290 x 1,200 x 700	360 x 1,200 x 700	360 x 1,200 x 700	360 x 1,200 x 700	430 x 1,200 x 700	430 x 1,200 x 700	430 x 1,200 x 700	430 x 1,200 x 700
Net weight		Indoor / Panel	kg	31	36	37	37	41	41	50	50
Air volume (H/M/L)		Cooling : Heating	L/s	367 / 334 / 267 : 367 / 334 / 267	501 / 434 / 367 : 501 / 434 / 367	668 / 584 / 484 : 668 / 584 / 484	668 / 584 / 484 : 668 / 584 / 484	835 / 768 / 601 : 835 / 768 / 601	835 / 768 / 601 : 835 / 768 / 601	1,002 / 835 / 701 : 1,002 / 835 / 701	1,002 / 835 / 701 : 1,002 / 835 / 701
External static pressure			Pa	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (50 -150*6)	100 (50 -150*6)
Sound pressure level (H/M/L)		Cooling : Heating	dB(A)	43 / 41 / 40 : 43 / 41 / 40	45 / 44 / 43 : 45 / 44 / 43	48 / 46 / 44 : 48 / 46 / 44	48 / 46 / 44 : 48 / 46 / 44	49 / 47 / 45 : 49 / 47 / 45	49 / 47 / 45 : 49 / 47 / 45	51 / 49 / 47 : 51 / 49 / 47	51 / 49 / 47 : 51 / 49 / 47
Sound power level (H/M/L)		Cooling : Heating	dB	60 / 58 / 57 : 60 / 58 / 57	62 / 61 / 60 : 62 / 61 / 60	70 / 68 / 66 : 70 / 68 / 66	70 / 68 / 66 : 70 / 68 / 66	71 / 69 / 67 : 71 / 69 / 67	71 / 69 / 67 : 71 / 69 / 67	73 / 71 / 69 : 73 / 71 / 69	73 / 71 / 69 : 73 / 71 / 69
Number of fan speeds				3	3	3	3	3	3	3	3
Drain piping			mm	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	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)		Cooling : Heating	A	8.50 : 6.85 | 8.15 : 6.60	10.3 : 8.00 | 9.90 : 7.65	13.9 : 12.4 | 13.4 : 11.9	4.45 : 3.90 | 4.25 : 3.70	17.0 : 15.0 | 16.3 : 14.4	5.40 : 4.80 | 5.20 : 4.55	19.7 : 17.0 | 18.9 : 16.3	6.60 : 5.70 | 6.40 : 5.50
Dimensions		H × W × D	mm	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	996 x 980 x 370	996 x 980 x 370
Net weight			kg	43	50	83	83	87	87	87	87
Air volume		Cooling : Heating	L/s	701 : 701	746 : 766	1,219 : 1,219	1,219 : 1,219	1,369 : 1,336	1,369 : 1,336	1,402 : 1,369	1,402 : 1,369
Sound pressure level (Silent mode)		Cooling : Heating	dB(A)	48 (46) : 49 (47)	49 (47) : 49 (47)	52 (50) : 52 (50)	52 (50) : 52 (50)	55 (53) : 55 (53)	55 (53) : 55 (53)	56 (54) : 56 (54)	56 (54) : 56 (54)
Sound power level (Silent mode)		Cooling : Heating	dB	66 (64) : 67 (65)	67 (65) : 67 (65)	70 (68) : 70 (68)	70 (68) : 70 (68)	73 (71) : 73 (71)	73 (71) : 73 (71)	74 (72) : 74 (72)	74 (72) : 74 (72)
Piping connections		Liquid / Gas	mm	Ø6.35 / Ø12.7*7	Ø6.35 / Ø15.88*8	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88
Pipe length range		min. - max.	m	3 - 40	3 - 40	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
Elevation difference (OU located lower, OU located higher)			m	15, 30	15, 30	15, 30	15, 30	15, 30	15, 30	15, 30	15, 30
Maximum chargeless length			m	30	30	30	30	30	30	30	30
Refrigerant at shipping, Additional gas amount			g	R32 1,130 / 15 (g/m)	R32 1,320 / 17 (g/m)	R32 2,400 / 45 (g/m)	R32 2,400 / 45 (g/m)	R32 2,800 / 45 (g/m)	R32 2,800 / 45 (g/m)	R32 2,800 / 45 (g/m)	R32 2,800 / 45 (g/m)
Operating range		Cooling : Heating	°C	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24

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

*6 Not adjustable, refer to "Indoor Fan Performance" section of technical data.
*7 For piping connection for 6.0kW unit, connect the gas socket tube (Ø12.7-Ø15.88) to the gas tubing side indoor unit and connect the liquid socket tube (Ø6.35-Ø9.52) to the liquid tubing side indoor unit.
*8 For piping connection for 7.1kW unit, connect the liquid socket tube (Ø6.35-Ø9.52) to the liquid tubing side indoor unit.