



Product information



Technical documents  
Download from PRO CLUB.



PACKAGED AIR CONDITIONERS  
NX SERIES 2023/2024



**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 August 31, 2023.
- Due to printing considerations, the actual colours may vary slightly from those shown.
- All graphics are provided merely for the purpose of illustrating a point.



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

Authorised Dealer

PAC INVERTER ASIA Sep 2023

Panasonic A. P. Sales (Thailand) Co., Ltd.

18/6 Moo7, Bangna-Trad Road Km. 17,  
Bangchalong, Bangplee, Samutprakarn 10540  
Tel: 02-312-7148



nanoeX

INVERTER



QUALITY AIR FOR LIFE



































# NX Series Product Lineup

- All indoor units are equipped with nanoe™ X technology (Mark 2) as standard
- DELUXE 4-Way Cassette, equipped with nanoe™ X technology (Mark 3)



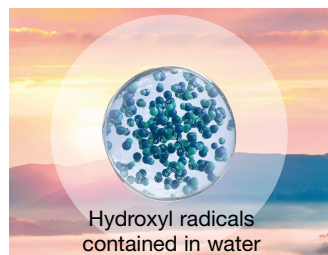
www.bbair.co.th

\*3-phase model newly added.

Capacity [ Btu/h ]		18,100	24,000	30,000	36,200	42,000	48,100
4-Way Cassette	Indoor units  Generator Mark3	S-18PU3TA	S-24PU3TA	S-30PU3TA	S-3648PU3TA*		
	EGAT CLASS						
		—	—	—			
Adaptive Ducted	Indoor units  Generator Mark2	S-18PF3T	S-24PF3T	S-30PF3T	S-3648PF3T*		
	EGAT CLASS						
		—	—	—			
Ceiling Exposed	Indoor units  Generator Mark2	S-18PT3T	S-24PT3T	S-30PT3T	S-3648PT3T*		
	EGAT CLASS						
		—	—	—			
Outdoor Units	 	U-18PRH1T5	U-24PRH1T5	U-30PRH1T5	U-36PRH1T5	U-42PRH1T5	U-48PRH1T5
		—	—	—	U-36PRH1T8*	U-42PRH1T8*	U-48PRH1T8*

## nanoe™ X Bringing Nature's Balance Indoors

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.



### 7 Effects of nanoe™ X : Creating Cleaner Environments

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

Deodorises



Odours

Inhibits 5 types of pollutants



Bacteria & Viruses



Mould



Allergens



Pollen



Hazardous substances

Moisturises



Skin & Hair



The evidence page of nanoe™ X effect

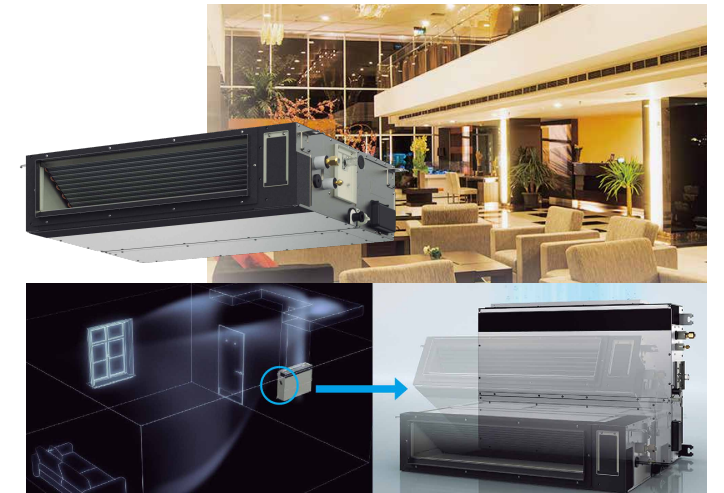
## Flexible Installation Adaptive Ducted

NX Series Adaptive Ducted units can be mounted not only horizontally but also vertically without the need for alterations.

Our groundbreaking drain pan design delivers flexibility in an industry-leading vertical installation.



Product information



### Compact Body with Powerful 150 Pa ESP

Indoor units have also been redesigned and are now just 250 mm in height and lighter in weight, yet still deliver the same powerful 150 Pa.

### Space saving 250 mm height

**NX Series**  
Height **250 mm** Weight\* 25 kg  
Note: In the case of 2HP

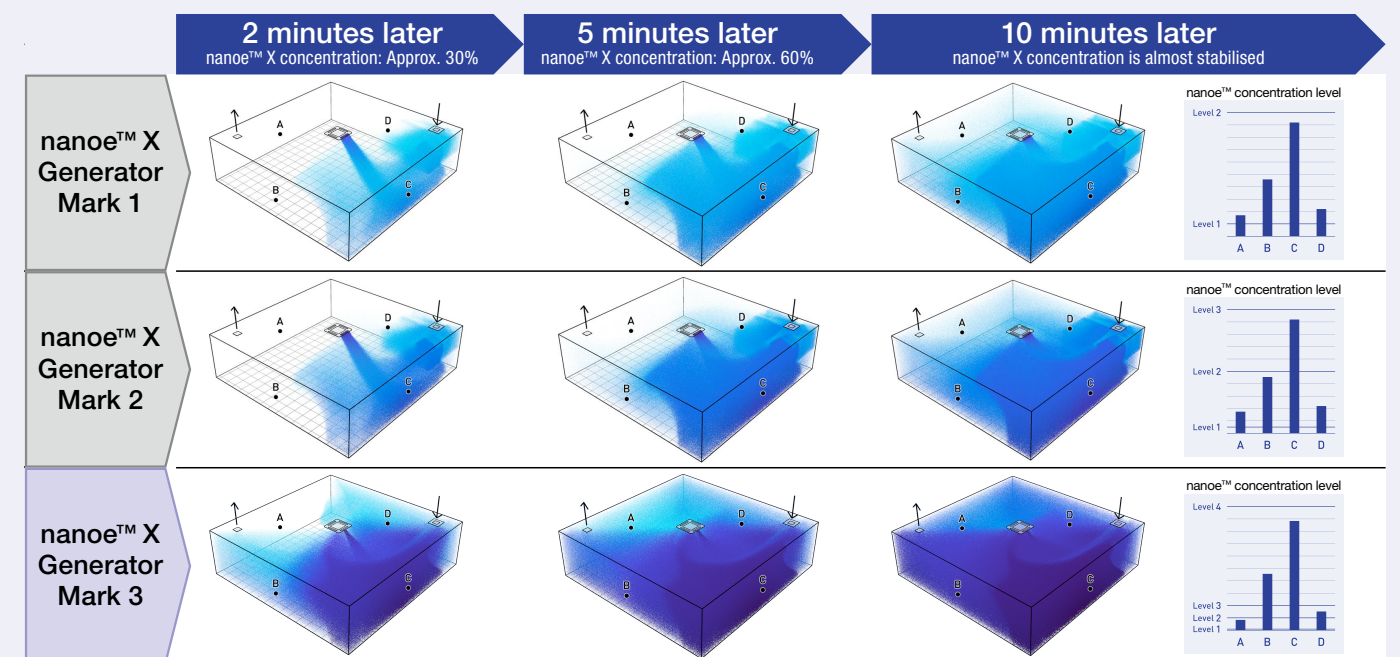


## Higher nanoe™ X Concentration, Even in Large Spaces

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.



Conditions of the simulation : Verification space: 168 m³ / Room size: 70 m² / Room height: 2.4 m / Inspection model: 4-way cassette / Position of IDU: Centre

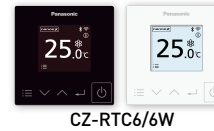
\* There are 7 key benefits provided by nanoe which commence when concentration reaches level 1. The concentration level affects the speed at which the benefits occur. Concentration level 2 is 10 times the concentration of level 1, and concentration level 3 is 20 times the concentration of level 1. \*\*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

# CEILING EXPOSED

- Slim design with a thickness of only 235 mm.
- Compact looking, stylish, one-motion design.
- Comfortable, long-distance airflow distribution.



[Accessory] [Optional Wired Remote Controller]



CZ-RTC6W  
CZ-RTC6BL\*1/6WBL\*1  
CZ-RTC6BLW\*2/6WBLW\*2  
\*1 BL=BLE, \*2 BLW=BLE&WLAN

CZ-RTC5B CZ-RTC4 CZ-CAPWFC1

[Optional]  
If not use  
CZ-RTC6BLW\*2/6WBLW\*2,  
the adaptor also  
can be used.

**nanoeX**  
Generator Mark2

**R32**  
REFRIGERANT

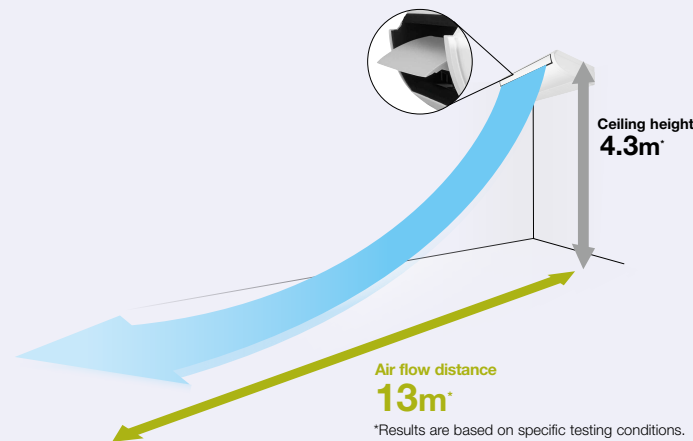
Capacity [Btu/h(Phase)]	18,100	24,000	30,000	36,200	36,200 [3]	42,000	42,000 [3]	48,100	48,100 [3]
Power Source	V/Phase Hz	220V, 10Phase - 50Hz	220V, 10Phase - 50Hz	220V, 10Phase - 50Hz	220V, 10Phase - 50Hz	220V, 10Phase - 50Hz	220V, 10Phase - 50Hz	220V, 10Phase - 50Hz	220V, 10Phase - 50Hz
Indoor Unit	S-18PT3T	S-24PT3T	S-30PT3T	S-3648PT3T	S-3648PT3T	S-3648PT3T	S-3648PT3T	S-3648PT3T	S-3648PT3T
Outdoor Unit	U-18PRH1T5	U-24PRH1T5	U-30PRH1T5	U-36PRH1T5	U-36PRH1T8	U-42PRH1T5	U-42PRH1T8	U-48PRH1T5	U-48PRH1T8
Cooling Capacity: Rated [Min-Max]									
Btu/h	18,100 [6,140-20,500]	24,000 [6,140-27,300]	30,000 [6,820-34,100]	36,200 [13,000-38,200]	36,200 [13,000-38,200]	42,000 [13,000-47,800]	42,000 [13,000-47,800]	48,100 [18,100-52,900]	48,100 [18,100-52,900]
kW	5.30 [1.80-6.00]	7.00 [1.80-8.00]	8.80 [2.00-10.00]	10.60 [3.80-11.20]	10.60 [3.80-11.20]	12.30 [3.80-14.00]	12.30 [3.80-14.00]	14.10 [5.30-15.50]	14.10 [5.30-15.50]
Current: Rated [Max]	A	7.9 [12.0]	10.8 [15.5]	14.1 [25.5]	14.1 [25.5]	19.2 [26.0]	19.2 [26.0]	24.0 [28.0]	24.0 [28.0]
Power Input: Rated [Min-Max]	kW	1.21 [0.27-1.43]	1.70 [0.25-2.15]	2.32 [0.26-2.79]	2.86 [0.68-3.04]	2.86 [0.68-3.04]	3.89 [0.68-4.45]	4.86 [0.94-5.37]	4.86 [0.94-5.37]
W/W	4.38	4.12	3.79	3.71	3.71	3.16	3.16	2.90	2.90
COP/EER	W/W	14.96	14.12	12.93	12.66	12.66	10.8	9.90	9.90
SEER	Btu/hW	23.82	23.41	21.77	19.99	19.93	19.40	18.40	18.40
<b>Indoor Unit</b>									
Air Volume	m <sup>3</sup> /min	15.0	21.0	35.0	35.0	35.0	35.0	35.0	35.0
cfm		530	740	1,235	1,235	1,235	1,235	1,235	1,235
Sound Pressure Level [Hi/L0]	dB [A]	38 / 29	40 / 32	46 / 38	46 / 38	46 / 38	46 / 38	46 / 38	46 / 38
Sound Power Level [Hi/L0]	dB [A]	56 / 47	58 / 50	64 / 56	64 / 56	64 / 56	64 / 56	64 / 56	64 / 56
Dimension	Indoor (HxWxD)	mm	235 x 960 x 690	235 x 1,275 x 690	235 x 1,590 x 690	235 x 1,590 x 690	235 x 1,590 x 690	235 x 1,590 x 690	235 x 1,590 x 690
Net Weight	kg	26	34	40	40	40	40	40	40
<b>Outdoor Unit</b>									
Sound Pressure Level	dB [A]	50	53	53	54	54	57	58	58
Sound Power Level	dB [A]	69	72	72	73	73	76	77	77
Dimension	Outdoor (HxWxD)	mm	695 x 875 x 320	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
Net Weight	kg	39	39	39	69	69	75	75	73
Piping Connection	Gas Pipe	mm (inch)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Liquid Pipe	mm (inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Pipe Length	Min-Max	m	5-50	5-50	5-50	5-50	5-50	5-50	5-50
Elevation Difference	m	30	30	30	30	30	30	30	30
Maximum Chargeless Length	Max	m	30	30	30	30	30	30	30
Additional Gas	g/m	15	25	25	25	25	25	25	25
Operation Range, Outdoor	Min-Max	°C	16-52	16-52	16-52	16-52	16-52	16-52	16-52

## Advantages of Ceiling Exposed

### Comfortable, Long-distance Airflow Distribution

The shape of the outlet has been optimised to provide long-distance air flow distribution.

Even in long rooms, air flow reaches every corner for exceptionally comfortable air conditioning.



## Remote Controller Information

### Wireless Remote Controller

\* For 4-Way Cassette & Ceiling Exposed



### Wired Remote Controller



CZ-RTC6  
CZ-RTC6BL\*1  
CZ-RTC6BLW\*2

CZ-RTC6W  
CZ-RTC6WBL\*1  
CZ-RTC6WBLW\*2

CZ-RTC5B

CZ-RTC4

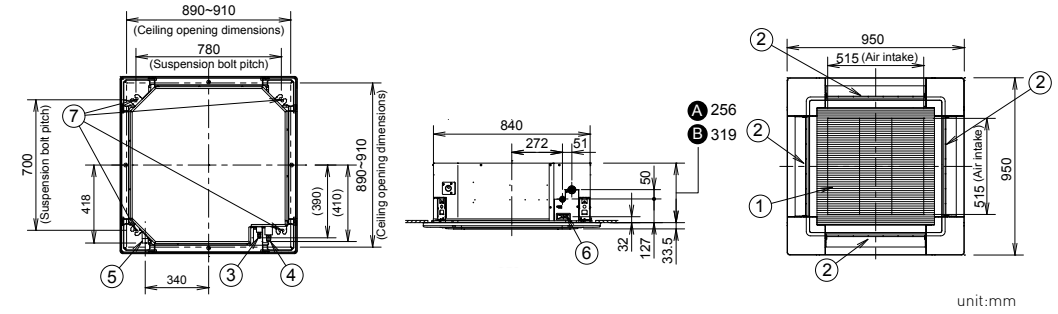
\*1 BL=BLE, \*2 BLW=BLE&WLAN

## 4-WAY CASSETTE Dimensions

- Ⓐ S-18PU3TA/S-24PU3TA  
Ⓑ S-30PU3TA/S-3648PU3TA

- 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

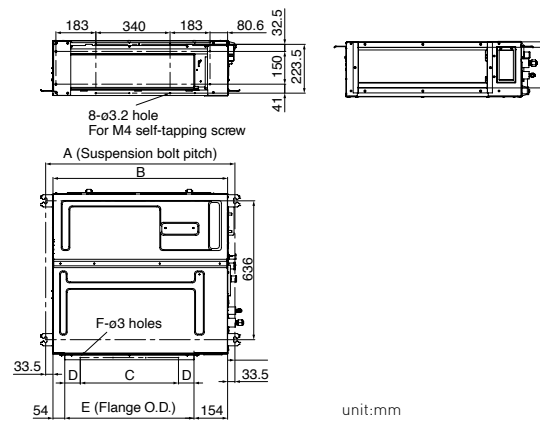


## ADAPTIVE DUCTED Dimensions

S-18PF3T/S-24PF3T/S-30PF3T/S-3648PF3T

Detailed dimensions of indoor unit

Type	A	B	C	D	E	F
mm	mm	mm	mm	mm	mm	Q'ty
18	867	800	450 (Pitch 150 × 3)	71	592	12
24	1,067	1,000	750 (Pitch 150 × 5)	21	792	16
30/3648	1,467	1,400	1,050 (Pitch 150 × 7)	71	1,192	20

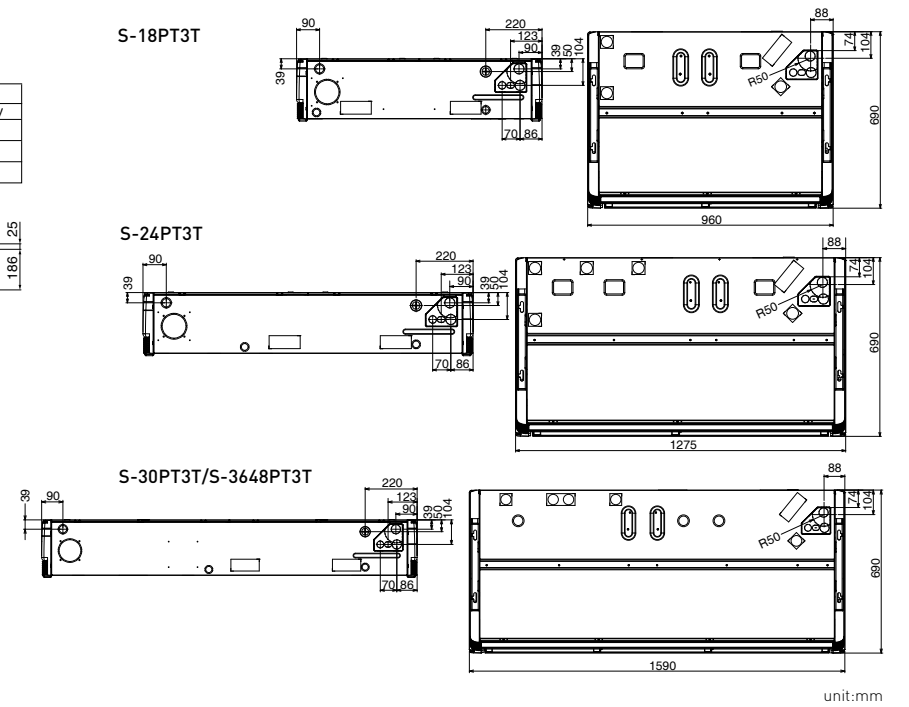


## CEILING EXPOSED Dimensions

S-18PT3T

S-24PT3T

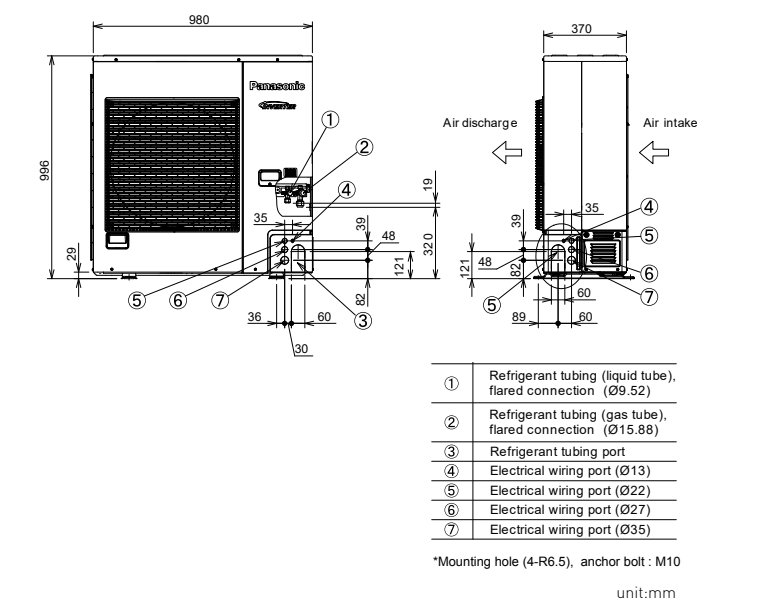
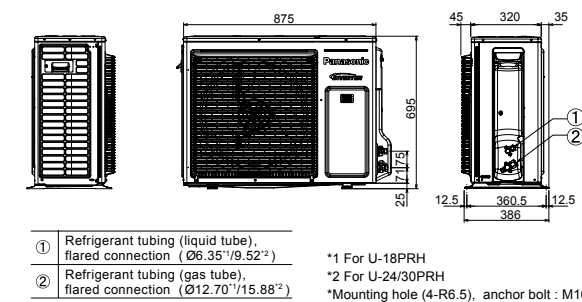
S-30PT3T/S-3648PT3T



## OUTDOOR UNITS Dimensions

U-18PRH1T5/U-24PRH1T5/U-30PRH1T5

U-36PRH1T5/U-36PRH1T8/U-42PRH1T5/U-42PRH1T8/ U-48PRH1T5/U-48PRH1T8



- 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