



**Product information**  
DELUXE series website will be opened in July 2022



**Technical documents**  
Download from PRO CLUB

## PACKAGED AIR CONDITIONERS NX SERIES DELUXE/STANDARD 2022/2023

# 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 May 30, 2022.
- 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 June 2022



nanoeX



INVERTER



**Panasonic Air-conditioning Malaysia (PACMY)  
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QUALITY AIR FOR LIFE

# NX Series Product Lineup

- 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.



Capacity [ Btu/h ]	17,100	20,500	24,200	27,600 / 29,000	34,100	42,700	47,800
<b>4-Way Cassette DELUXE</b> nanoe™ X CONEX Generator Mark3	S-1821PU3HA-1**		S-2430PU3HA-1**			S-3448PU3HA-1**	
<b>4-Way Cassette STANDARD</b> nanoe™ X CONEX Generator Mark2	S-1821PU3H-1**		S-2430PU3H-1**			S-3448PU3H-1**	
<b>Adaptive Ducted DELUXE/STANDARD</b> nanoe™ X CONEX Generator Mark2	S-1821PF3H		S-2430PF3H			S-3448PF3H*	
<b>Ceiling Exposed DELUXE/STANDARD</b> nanoe™ X CONEX Generator Mark2	S-1821PT3H		S-2430PT3H			S-3448PT3H*	
<b>Outdoor DELUXE</b> INVERTER R32	U-18PRH1H5-1	U-21PRH1H5-1	U-24PRH1H5-1	—	U-34PRH1H5-1	U-43PRH1H5-1	U-48PRH1H5-1
<b>Outdoor STANDARD</b> INVERTER R32	U-18PR1H5-1	U-21PR1H5-1	U-24PR1H5-1	U-30PR1H5-1	U-34PR1H5-1	U-43PR1H5-1	U-48PR1H5-1

\*3-phase model newly added

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

NEW

## 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.

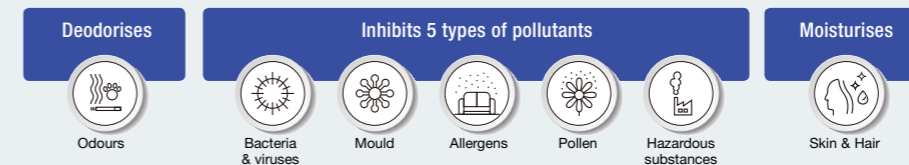


Please refer to the nanoe™ X website.



## 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.



nanoe™ X Effectiveness Proven in Large Space

Access to the evidence page of nanoe™ X effect

NEW

## Smart Comfort with 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.



Access to the evidence page of conex



### New CONEX Control

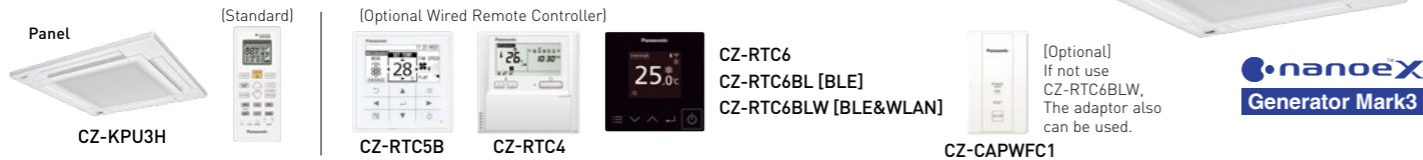
New smart design with built-in BLE & WLAN model.



- Comfort Cloud-End User**  
High level control and energy monitoring via WLAN and cloud giving access from anywhere anytime.
- H&C Control App-End User & Installer**  
H&C Control App makes complex initial set-up easy and allows installers to respond swiftly to clients' requests via Bluetooth.
- H&C Diagnosis App-Service Partner**  
Provides the service partner with detailed operational data, for in-depth analysis and optimising the system.

# DELUXE 4-WAY CASSETTE

- 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.



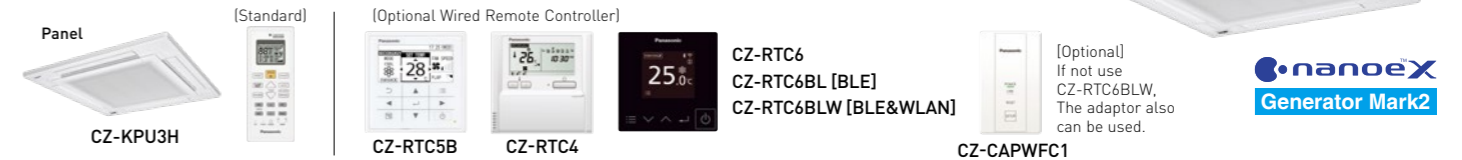
## DELUXE

Capacity [Btu/h(Phase)]		17,100	20,500	24,200	34,100	42,700	42,700(3)	47,800	47,800(3)
Power Source	V/Phase Hz	230V, 1Ø Phase - 50Hz							
Indoor Unit		S-1821PU3HA-1	S-1821PU3HA-1	S-2430PU3HA-1	S-3448PU3HA-1	S-3448PU3HA-1	S-3448PU3HA-1	S-3448PU3HA-1	S-3448PU3HA-1
Outdoor Unit		U-18PRH1H5-1	U-21PRH1H5-1	U-24PRH1H5-1	U-34PRH1H5-1	U-43PRH1H5-1	U-43PRH1H5-1	U-48PRH1H5-1	U-48PRH1H5-1
Panel		CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	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]	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]
	Btu/h	17,100 [6,820-20,500]	20,500 [6,820-21,500]	24,200 [7,170-27,300]	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]
Current: Rated [Max]	A	4.1 [9.1]	5.7 [11.0]	7.0 [12.0]	11.1 [25.5]	16.2 [26.0]	16.2 [26.0]	19.4 [28.0]	19.4 [28.0]
Power Input: Rated [Min-Max]	kW	0.90 [0.26-1.35]	1.27 [0.26-1.65]	1.57 [0.28-2.25]	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]
CSPF		7.50	7.10	6.80	6.60	6.30	6.30	5.70	5.70
COP/EER	W/W	5.56	4.72	4.52	4.26	3.65	3.65	3.41	3.41
	Btu/hW	19.00	16.14	15.41	14.51	12.49	12.49	11.66	11.66
<b>Indoor Unit</b>									
Air Volume	m³/min	28.5	28.5	28.5	36.4	36.4	36.4	36.4	36.4
	cfm	1,006	1,006	1,006	1,285	1,285	1,285	1,285	1,285
Sound Pressure Level [Hi/Lo]	dB [A]	46 / 35	46 / 35	46 / 35	47 / 41	47 / 41	47 / 41	47 / 41	47 / 41
Sound Power Level [Hi/Lo]	dB	61 / 50	61 / 50	61 / 50	62 / 56	62 / 56	62 / 56	62 / 56	62 / 56
Dimension	Indoor (HxWxD) mm	256 x 840 x 840	256 x 840 x 840	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
	Panel (HxWxD) mm	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	44 x 950 x 950	44 x 950 x 950
Net Weight	Indoor kg	21	21	21	24	24	24	24	24
	Panel kg	5	5	5	5	5	5	5	5
<b>Outdoor Unit</b>									
Sound Pressure Level	dB [A]	50	51	53	54	57	57	58	58
Sound Power Level	dB	69	70	72	73	76	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	996 x 980 x 370
Net Weight	kg	39	39	39	69	69	69	73	73
Piping Connection	Gas Pipe mm (inch)	12.70 (1/2)	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)	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)
Pipe Length	Min-Max m	5 - 50	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	30
Additional Gas	g/m	15	15	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	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.

# STANDARD 4-WAY CASSETTE

- 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.



## STANDARD

Capacity [Btu/h(Phase)]		17,100	20,500	24,200	29,000	34,100	42,700	42,700 (3)	47,800	47,800 (3)
Power Source	V/Phase Hz	230V, 1Ø Phase - 50Hz								
Indoor Unit		S-1821PU3H-1	S-1821PU3H-1	S-2430PU3H-1	S-2430PU3H-1	S-3448PU3H-1	S-3448PU3H-1	S-3448PU3H-1	S-3448PU3H-1	S-3448PU3H-1
Outdoor Unit		U-18PR1H5-1	U-21PR1H5-1	U-24PR1H5-1	U-30PR1H5-1	U-34PR1H5-1	U-43PR1H5-1	U-43PR1H5-1	U-48PR1H5-1	U-48PR1H5-1
Panel		CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	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]	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]
	Btu/h	17,100 [6,820-19,100]	20,500 [6,820-21,500]	24,200 [7,170-27,300]	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]
Current: Rated [Max]	A	5.2 [9.1]	7.7 [11.0]	8.8 [12.0]	11.2 [15.5]	14.3 [16.5]	17.7 [26.0]	17.7 [26.0]	22.8 [28.0]	22.8 [28.0]
Power Input: Rated [Min-Max]	kW	1.14 [0.38-1.50]	1.71 [0.38-2.10]	1.99 [0.30-2.26]	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]
CSPF		6.27	5.89	6.08	5.97	5.89	5.80	5.80	5.23	5.23
COP/EER	W/W	4.39	3.51	3.57	3.37	3.10	3.34	3.34	2.90	2.90
	Btu/hW	15.00	11.99	12.16	11.51	10.56	11.42	11.42	9.90	9.90
<b>Indoor Unit</b>										
Air Volume	m³/min	28.5	28.5	28.5	28.5	36.4	36.4	36.4	36.4	36.4
	cfm	1,006	1,006	1,006	1,006	1,285	1,285	1,285	1,285	1,285
Sound Pressure Level [Hi/Lo]	dB [A]	46 / 35	46 / 35	46 / 35	46 / 35	47 / 41	47 / 41	47 / 41	47 / 41	47 / 41
Sound Power Level [Hi/Lo]	dB	61 / 50	61 / 50	61 / 50	61 / 50	62 / 56	62 / 56	62 / 56	62 / 56	62 / 56
Dimension	Indoor (HxWxD) mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	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
	Panel (HxWxD) mm	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	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950
Net Weight	Indoor kg	21	21	21	21	24	24	24	24	24
	Panel kg	5	5	5	5	5	5	5	5	5
<b>Outdoor Unit</b>										
Sound Pressure Level	dB [A]	49	50	51	53	55	57	57	58	58
Sound Power Level	dB	68	69	70	72	74	76	76	77	77
Dimension	Outdoor (HxWxD) mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	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	29	29	33	39	48	68	67	67	67
Piping Connection	Gas Pipe mm (inch)	12.70 (1/2)	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)	15.88 (5/8)
	Liquid Pipe mm (inch)	6.35 (1/4)	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 - 30	5 - 30	5 - 30	5 - 30	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
Elevation Difference	m	20	20	20	20	30	30	30	30	30
Maximum Chargeless Length	Max m	10	10	10	10	30	30	30	30	30
Additional Gas	g/m	15	15	15	25	25	25	25	25	25
Operation Range, Outdoor	Min-Max °C	16-46	16-46	16-46	16-46	16-46	16-46	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.

## What's New of nanoe™ X Generator Mark 3

### 48 Trillion Hydroxyl Radicals Generated

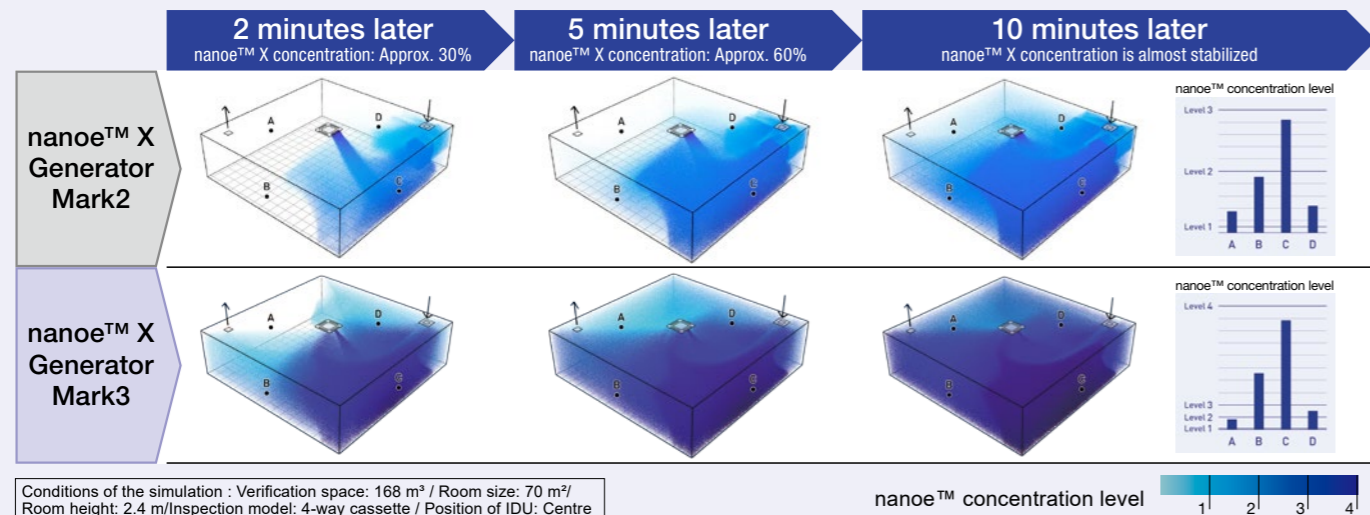
The amount of hydroxyl radicals generated increased 100 times, compared to original nanoe™.

### Higher Concentration, Even in Large Spaces

Greater effectiveness even in large spaces of more than 100 m².

### nanoe™ X Concentration Simulation

Higher concentration levels of generator mark 3 than mark 2.

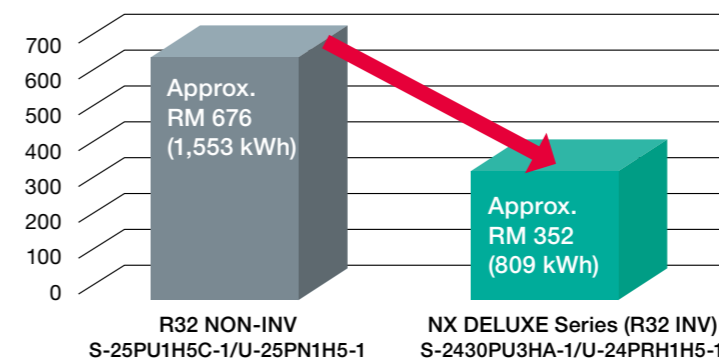


Conditions of the simulation : Verification space: 168 m³ / Room size: 70 m² / Room height: 2.4 m / Inspection model: 4-way cassette / Position of IDU: Centre  
 \* There are 7 key benefits provided by nanoe which commence when concentration reaches Level 1. The concentration level affects the speed 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

## High COP: Save More with DELUXE Series

Comparison between R32 NON-INV (S-25PU1H5C-1/U-25PN1H5-1) and R32 INV NX DELUXE Series (S-2430PU3HA-1/U-24PRH1H5-1)

### Annual energy consumption



Approx. **48% DOWN** RM 324

The longer you use the R32 inverter NX DELUXE series, the more you save!

Capacity [Btu]	Annual Energy Consumption [kWh]			Difference
	NX DELUXE	R32 NON-INV	Difference	
20,500 / 19,500	655	1,161	506	44%
24,200 / 26,000	809	1,553	744	48%
34,100 / 36,000	1,174	2,064	890	43%
42,700 / 42,000	1,537	2,260	723	32%
47,800 / 48,500	1,903	3,016	1,113	37%

Capacity [Btu]	Saving by Year [Accumulated/RM]							
	1	2	3	4	5	6	7	8
20,500 / 19,500	220	441	661	881	1,101	1,322	1,542	1,762
24,200 / 26,000	324	648	972	1,296	1,619	1,943	2,267	2,591
34,100 / 36,000	387	774	1,162	1,519	1,936	2,323	2,710	3,098
42,700 / 42,000	314	629	943	1,258	1,572	1,886	2,201	2,515
47,800 / 48,500	484	969	1,453	1,937	2,421	2,906	3,390	3,874

\* Annual energy consumption is calculated based on ISO16358-1 \* Operating hours: 8 hours per day x 240 days = 1,920 hours  
 \* Electricity Bill: 44sen/kWh, TENAGA NASIONAL, Low voltage commercial, 1-200kWh per month \* Comparison between Inverter U-PRH1 series and Non-Inverter U-PNH1 series.

# DELUXE / STANDARD ADAPTIVE DUCTED

- 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).



**nanoeX**  
Generator Mark2

Selectable Remote Controller



CZ-RTC5B



CZ-RTC4



CZ-RTC6

CZ-RTC6 (Standard)  
CZ-RTC6BL (BLE)  
CZ-RTC6BLW (BLE&WLAN)



CZ-CAPWFC1

[Optional]  
If not use CZ-RTC6BLW, The adaptor also can be used.

## DELUXE

## Specifications of R32 DELUXE Series <sup>R32</sup>

Capacity [Btu/h(Phase)]	17,100	20,500	24,200	34,100	42,700	42,700(3)	47,800	47,800(3)
Power Source	V/Phase Hz		230V, 10 Phase - 50Hz		400V, 30 Phase - 50Hz		230V, 10 Phase - 50Hz	
Indoor Unit	S-1821PF3H	S-1821PF3H	S-2430PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H
Outdoor Unit	U-18PRH1H5-1	U-21PRH1H5-1	U-24PRH1H5-1	U-34PRH1H5-1	U-43PRH1H8-1	U-43PRH1H8-1	U-48PRH1H5-1	U-48PRH1H8-1
Cooling Capacity: Rated (Min-Max)	kW	5.00 [1.60-6.00]	6.00 [1.60-6.30]	7.10 [1.80-8.00]	10.00 [3.80-11.20]	12.50 [3.80-14.00]	14.00 [5.30-15.50]	14.00 [5.30-15.50]
	Btu/h	17,100 [5,460-20,500]	20,500 [5,460-21,500]	24,200 [6,140-27,300]	34,100 [13,000-38,200]	42,700 [13,000-47,800]	47,800 [18,100-52,900]	47,800 [18,100-52,900]
Current: Rated (Max)	A	5.3 [9.1]	7.1 [11.0]	8.0 [12.0]	11.3 [25.5]	17.0 [26.0]	20.5 [28.0]	6.7 [11.5]
Power Input: Rated (Min-Max)	kW	1.16 [0.24-1.55]	1.58 [0.24-1.80]	1.80 [0.30-2.35]	2.40 [0.65-3.08]	3.59 [0.65-4.35]	4.34 [0.96-5.15]	4.34 [0.96-5.15]
CSPF		5.90	5.60	6.10	6.40	5.45	5.55	5.55
COP/EER	W/W	4.31	3.80	3.94	4.17	3.48	3.23	3.23
	Btu/hW	14.74	12.97	13.44	14.21	11.89	11.01	11.01
<b>Indoor Unit</b>								
Air Volume	m <sup>3</sup> /min	16.0	16.0	21.0	36.0	36.0	36.0	36.0
	cfm	565	565	740	1,270	1,270	1,270	1,270
External static pressure	Pa	30 [10-150]	30 [10-150]	30 [10-150]	50 [10-150]	50 [10-150]	50 [10-150]	50 [10-150]
Sound Pressure Level (Hi/Lo)	dB (A)	35 / 29	35 / 29	35 / 29	40 / 30	40 / 30	40 / 30	40 / 30
Sound Power Level (Hi/Lo)	dB	58 / 52	58 / 52	58 / 52	63 / 53	63 / 53	63 / 53	63 / 53
Dimension	Indoor (HxWxD)	mm	250 x 800 x 730	250 x 800 x 730	250 x 1,000 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730
Net Weight	Indoor	kg	25	25	30	39	39	39
<b>Outdoor Unit</b>								
Sound Pressure Level	dB (A)	50	51	53	54	57	58	58
Sound Power Level	dB	69	70	72	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
Net Weight		kg	39	39	67	67	75	73
Piping Connection	Gas Pipe	mm (inch)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Liquid Pipe	mm (inch)	6.35 (1/4)	6.35 (1/4)	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
Elevation Difference	m	30	30	30	30	30	30	30
Maximum Chargeless Length	Max	m	30	30	30	30	30	30
Additional Gas	g/m	15	15	25	25	25	25	25
Operation Range, Outdoor	Min-Max	°C	16-52	16-52	16-52	16-52	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.



**nanoeX**  
Generator Mark2

## STANDARD

## Specifications of R32 STANDARD Series <sup>R32</sup>

Capacity [Btu/h(Phase)]	17,100	20,500	24,200	27,600	34,100	42,700	42,700 (3)	47,000	47,000 (3)	
Power Source	V/Phase Hz		230V, 10 Phase - 50Hz		400V, 30 Phase - 50Hz		230V, 10 Phase - 50Hz		400V, 30 Phase - 50Hz	
Indoor Unit	S-1821PF3H	S-1821PF3H	S-2430PF3H	S-2430PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	
Outdoor Unit	U-18PRH1H5-1	U-21PRH1H5-1	U-24PRH1H5-1	U-30PRH1H5-1	U-34PRH1H5-1	U-43PRH1H8-1	U-43PRH1H8-1	U-48PRH1H5-1	U-48PRH1H8-1	
Cooling Capacity: Rated (Min-Max)	kW	5.00 [2.00-5.60]	6.00 [2.00-6.30]	7.10 [2.00-7.60]	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]	
	Btu/h	17,100 [6,820-19,100]	20,500 [6,820-21,500]	24,200 [6,820-25,900]	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]	
Current: Rated (Max)	A	6.9 [9.1]	8.7 [11.0]	10.1 [12.0]	11.5 [15.5]	18.7 [26.0]	6.1 [10.5]	22.5 [28.0]	7.4 [11.0]	
Power Input: Rated (Min-Max)	kW	1.54 [0.41-1.75]	1.95 [0.41-2.30]	2.27 [0.34-2.48]	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]	
CSPF		5.02	4.65	5.21	5.21	4.74	5.02	4.74	4.77	
COP/EER	W/W	3.25	3.08	3.13	3.12	3.21	3.16	2.89	2.89	
	Btu/hW	11.10	10.51	10.66	10.62	10.93	10.78	9.85	9.85	
<b>Indoor Unit</b>										
Air Volume	m <sup>3</sup> /min	16.0	16.0	21.0	21.0	36.0	36.0	36.0	36.0	
	cfm	565	565	740	740	1,270	1,270	1,270	1,270	
External static pressure	Pa	30 [10-150]	30 [10-150]	30 [10-150]	30 [10-150]	50 [10-150]	50 [10-150]	50 [10-150]	50 [10-150]	
Sound Pressure Level (Hi/Lo)	dB (A)	35 / 29	35 / 29	35 / 29	35 / 29	40 / 30	40 / 30	40 / 30	40 / 30	
Sound Power Level (Hi/Lo)	dB	58 / 52	58 / 52	58 / 52	58 / 52	63 / 53	63 / 53	63 / 53	63 / 53	
Dimension	Indoor (HxWxD)	mm	250 x 800 x 730	250 x 800 x 730	250 x 1,000 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	
Net Weight	Indoor	kg	25	25	30	30	39	39	39	
<b>Outdoor Unit</b>										
Sound Pressure Level	dB (A)	50	51	51	53	55	57	58	58	
Sound Power Level	dB	69	70	70	72	74	76	77	77	
Dimension	Outdoor (HxWxD)	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	
Net Weight		kg	29	29	33	39	48	67	67	
Piping Connection	Gas Pipe	mm (inch)	12.70 (1/2)	12.70 (1/2)	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)	6.35 (1/4)	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 - 30	5 - 30	5 - 30	5 - 50	5 - 50	5 - 50	5 - 50	
Elevation Difference	m	20	20	20	30	30	30	30	30	
Maximum Chargeless Length	Max	m	15	15	25	25	25	25	25	
Additional Gas	g/m	10	10	10	30	30	30	30	30	
Operation Range, Outdoor	Min-Max	°C	16-46	16-46	16-46	16-46	16-46	16-46	16-46	

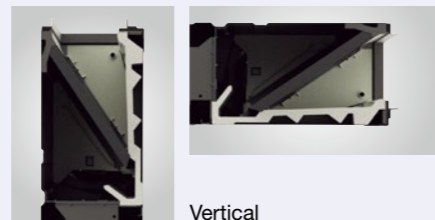
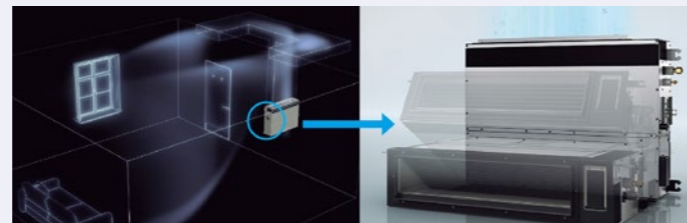
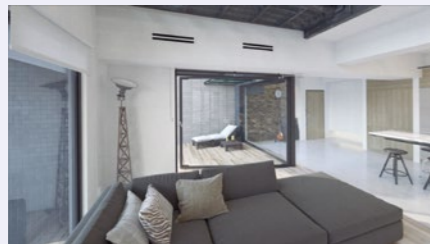
\* Specifications are subject to change without notice. Please refer to technical documents for more details.  
\* The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. \* STANDARD series indoor units can only be connected to outdoor units of the same series.

## Flexible Installation Adaptive Ducted

New 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 a new level of flexibility in an industry-leading vertical installation.



Product information



Horizontal

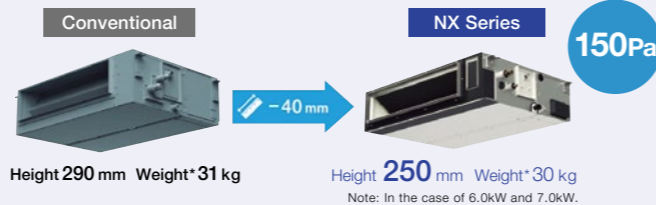
Vertical

## 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.

## Space saving 250 mm height



Height 290 mm Weight\* 31 kg

Height 250 mm Weight\* 30 kg

Note: In the case of 6.0kW and 7.0kW.

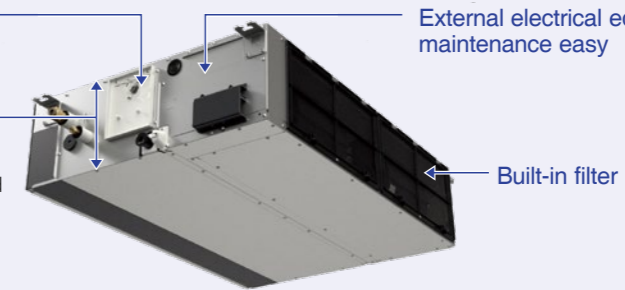
## Technical Focus

Built-in Drain pump (DC motor pump)

External electrical equipment box makes maintenance easy

Space saving height of 250mm for all models

250mm standardised height provides easy and uniform installation for models with different capacities, especially when ceiling heights are restricted.



## Superior air quality **nanoeX**

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

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

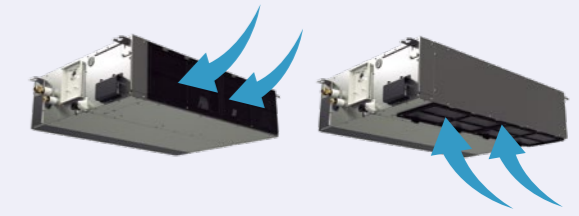


Bend once Bend twice Bend three times

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

## Selectable air inlet position

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



# DELUXE / STANDARD CEILING EXPOSED

- The slim design makes thickness only 235 mm.
- Compact Looking, Stylish, One-Motion Design.
- Comfortable, Long-Distance Airflow Distribution.



**nanoeX**  
Generator Mark2

[Accessory] [Optional Wired Remote Controller]



**CZ-RTC6**  
**CZ-RTC6BL [BLE]**  
**CZ-RTC6BLW [BLE&WLAN]**



[Optional]  
If not use  
**CZ-RTC6BLW**,  
The adaptor also  
can be used.

## DELUXE

Capacity [Btu/h(Phase)]	17,100	20,500	24,200	34,100	42,700	42,700(3)	47,800	47,800(3)
Power Source	230V, 1Ø Phase - 50Hz		230V, 1Ø Phase - 50Hz		400V, 3Ø Phase - 50Hz		400V, 3Ø Phase - 50Hz	
Indoor Unit	S-1821PT3H	S-1821PT3H	S-2430PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H
Outdoor Unit	U-18PRH1H5-1	U-21PRH1H5-1	U-24PRH1H5-1	U-34PRH1H5-1	U-43PRH1H5-1	U-43PRH1H5-1	U-48PRH1H5-1	U-48PRH1H5-1
Cooling Capacity: Rated (Min-Max)	17,100 [6,140-20,500]		20,500 [6,140-21,500]		24,200 [6,140-27,300]		34,100 [13,000-38,200]	
Current: Rated (Max)	4.9 [9.1]		6.5 [11.0]		7.5 [12.0]		11.7 [26.0]	
Power Input: Rated (Min-Max)	1.08 [0.27-1.43]		1.44 [0.27-1.72]		1.70 [0.25-2.15]		2.47 [0.68-3.04]	
CSPF	7.20		6.70		6.85		6.05	
COP/EER	4.63		4.17		4.18		3.33	
Indoor Unit	m³/min		15.0		15.0		21.0	
Air Volume	530		530		740		1,235	
Sound Pressure Level (Hi/Lo)	38 / 29		38 / 29		40 / 32		46 / 38	
Sound Power Level (Hi/Lo)	56 / 47		56 / 47		58 / 50		64 / 56	
Dimension	Indoor (HxWxD) mm		235 x 960 x 690		235 x 960 x 690		235 x 1,275 x 690	
Net Weight	Indoor		26		26		34	
Outdoor Unit	m³/min		15.0		15.0		21.0	
Air Volume	530		530		740		1,235	
Sound Pressure Level (Hi/Lo)	38 / 29		38 / 29		40 / 32		46 / 38	
Sound Power Level (Hi/Lo)	56 / 47		56 / 47		58 / 50		64 / 56	
Dimension	Outdoor (HxWxD) mm		695 x 875 x 320		695 x 875 x 320		695 x 875 x 320	
Net Weight	Outdoor		39		39		48	
Piping Connection	Gas Pipe mm (inch)		12.70 (1/2)		12.70 (1/2)		15.88 (5/8)	
Pipe Length	Min-Max		5 - 50		5 - 50		5 - 50	
Elevation Difference	m		30		30		30	
Maximum Chargeless Length	Max		30		30		30	
Additional Gas	g/m		15		15		25	
Operation Range, Outdoor	Min-Max °C		16-52		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.

## STANDARD

Capacity [Btu/h(Phase)]	17,100	20,500	24,200	29,000	34,100	42,700	42,700 (3)	45,500	45,500 (3)	
Power Source	230V, 1Ø Phase - 50Hz				230V, 1Ø Phase - 50Hz		400V, 3Ø Phase - 50Hz		400V, 3Ø Phase - 50Hz	
Indoor Unit	S-1821PT3H	S-1821PT3H	S-2430PT3H	S-2430PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H	
Outdoor Unit	U-18PRH1H5-1	U-21PRH1H5-1	U-24PRH1H5-1	U-30PRH1H5-1	U-34PRH1H5-1	U-43PRH1H5-1	U-43PRH1H5-1	U-48PRH1H5-1	U-48PRH1H5-1	
Cooling Capacity: Rated (Min-Max)	17,100 [6,820-19,100]		20,500 [6,820-21,500]		24,200 [6,820-26,600]		29,000 [6,820-32,800]		34,100 [10,700-38,200]	
Current: Rated (Max)	6.0 [9.1]		8.6 [11.0]		9.3 [12.0]		12.2 [15.5]		14.9 [16.5]	
Power Input: Rated (Min-Max)	1.33 [0.39-1.65]		1.92 [0.39-2.25]		2.10 [0.32-2.36]		2.75 [0.29-3.31]		3.36 [0.58-3.77]	
CSPF	6.18		5.65		5.51		5.86		5.04	
COP/EER	3.76		3.13		3.38		3.09		2.98	
Indoor Unit	m³/min		15.0		15.0		21.0		35.0	
Air Volume	530		530		740		740		1,235	
Sound Pressure Level (Hi/Lo)	38 / 29		38 / 29		40 / 32		40 / 32		46 / 38	
Sound Power Level (Hi/Lo)	56 / 47		56 / 47		58 / 50		58 / 50		64 / 56	
Dimension	Indoor (HxWxD) mm		235 x 960 x 690		235 x 960 x 690		235 x 1,275 x 690		235 x 1,590 x 690	
Net Weight	Indoor		26		26		34		40	
Outdoor Unit	m³/min		15.0		15.0		21.0		35.0	
Air Volume	530		530		740		740		1,235	
Sound Pressure Level (Hi/Lo)	38 / 29		38 / 29		40 / 32		40 / 32		46 / 38	
Sound Power Level (Hi/Lo)	56 / 47		56 / 47		58 / 50		58 / 50		64 / 56	
Dimension	Outdoor (HxWxD) mm		619 x 824 x 299		619 x 824 x 299		695 x 875 x 320		695 x 875 x 320	
Net Weight	Outdoor		29		33		39		48	
Piping Connection	Gas Pipe mm (inch)		12.70 (1/2)		12.70 (1/2)		15.88 (5/8)		15.88 (5/8)	
Pipe Length	Min-Max		5 - 30		5 - 30		5 - 30		5 - 50	
Elevation Difference	m		20		20		30		30	
Maximum Chargeless Length	Max		15		15		25		25	
Additional Gas	g/m		10		10		30		30	
Operation Range, Outdoor	Min-Max °C		16-46		16-46		16-46		16-46	

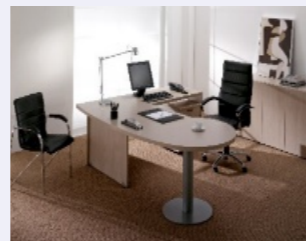
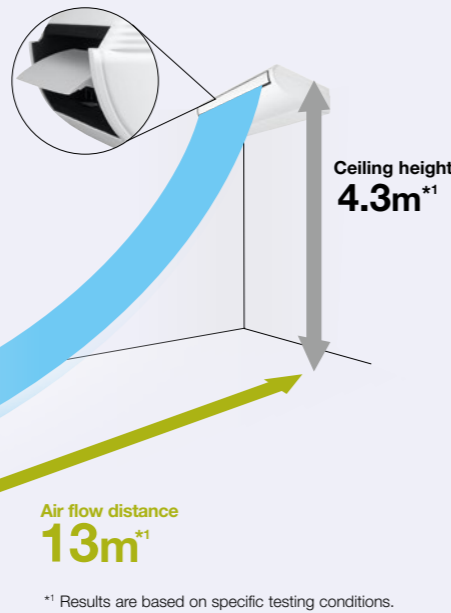
\* Specifications are subject to change without notice. Please refer to technical documents for more details.  
\* The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. \* STANDARD series indoor units can only be connected to outdoor units of the same series.

## 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.



\*1 Results are based on specific testing conditions.

## NX Series Remote Controller Information

		Compatibility Table		
		CZ-RTC6BLW Built-in BLE & WLAN	CZ-RTC6BL Built-in BLE	CZ-RTC6
App		○	○	—
		○	○	—
		○	—	—

• Power supply is available only when using NX IDU

### Wireless Remote Controller

\* For 4-Way Cassette & Ceiling Exposed



### Wired Remote Controller



**CZ-RTC6BLW**  
**CZ-RTC6BL**  
**CZ-RTC6**

**CZ-RTC5B**

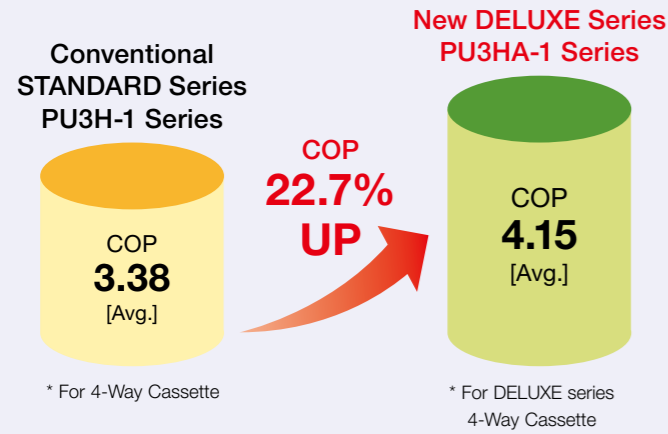
**CZ-RTC4**

# High Energy Efficiency

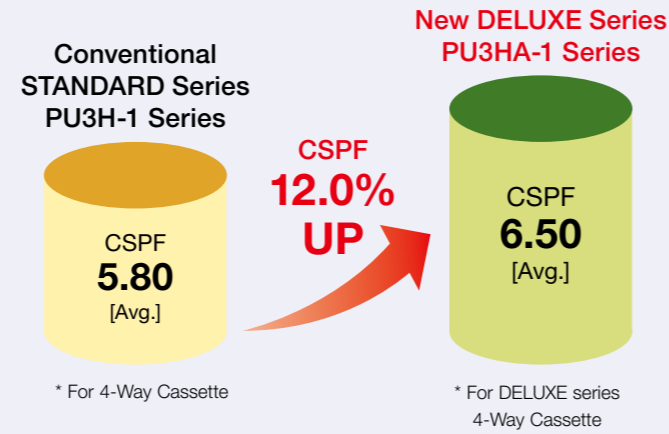
## Save Power Consumption

NX series has 2 Lineup 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

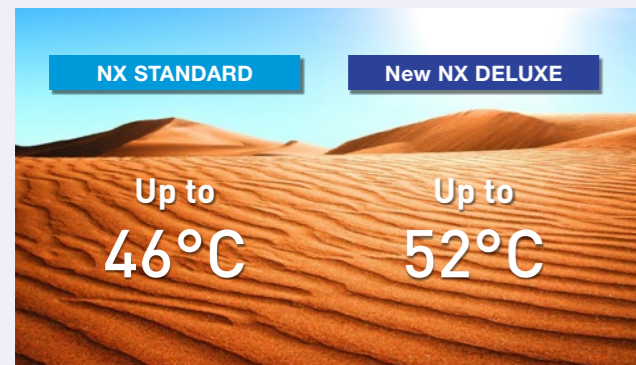


### CSPF Comparison

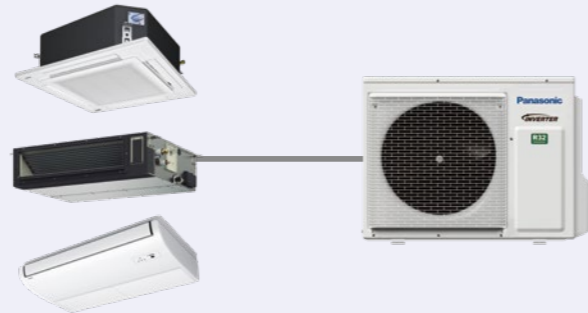


# Operation Temperature

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.

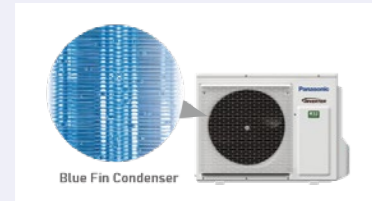


# Long Piping Length



Differences	DELUXE series	STANDARD series
Piping length	5-50m for all range	24,200 Btu or less: 5-30m 29,000 Btu and above : 5-50m

# Advantages for Outdoor Unit



## High Durability Outdoor Unit

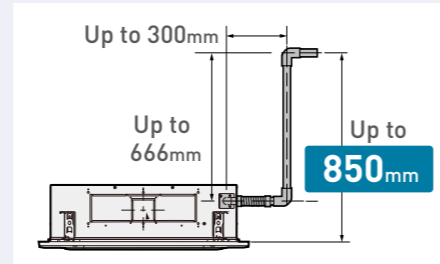
All Panasonic heat exchangers feature our Blue Fin technology, which offers enhanced corrosion resistance compared to non-Blue Fin models.



## 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)

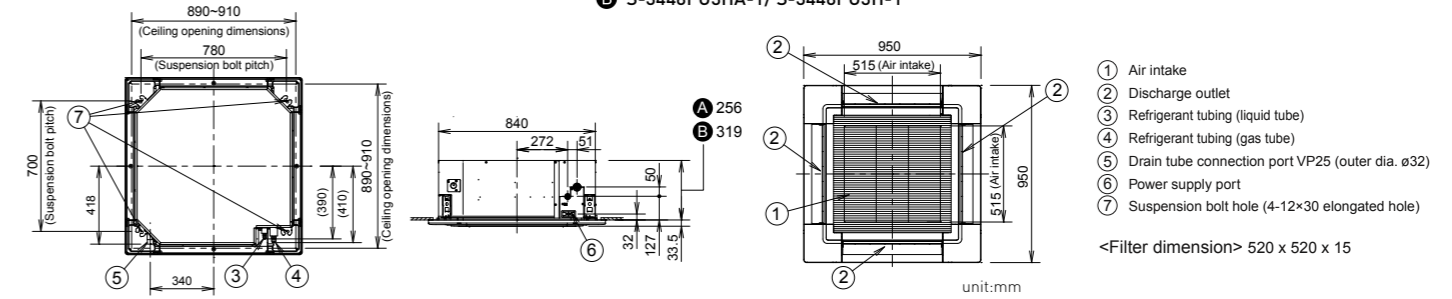
# Installation Instruction



## A strong and quiet drain pump

The drain pump can pump water up to a height of 850 mm, making drain pipe layout easy. Supports for 4-way Cassette

## 4-WAY CASSETTE **NEW** Dimensions



## ADAPTIVE DUCTED **NEW** Dimensions

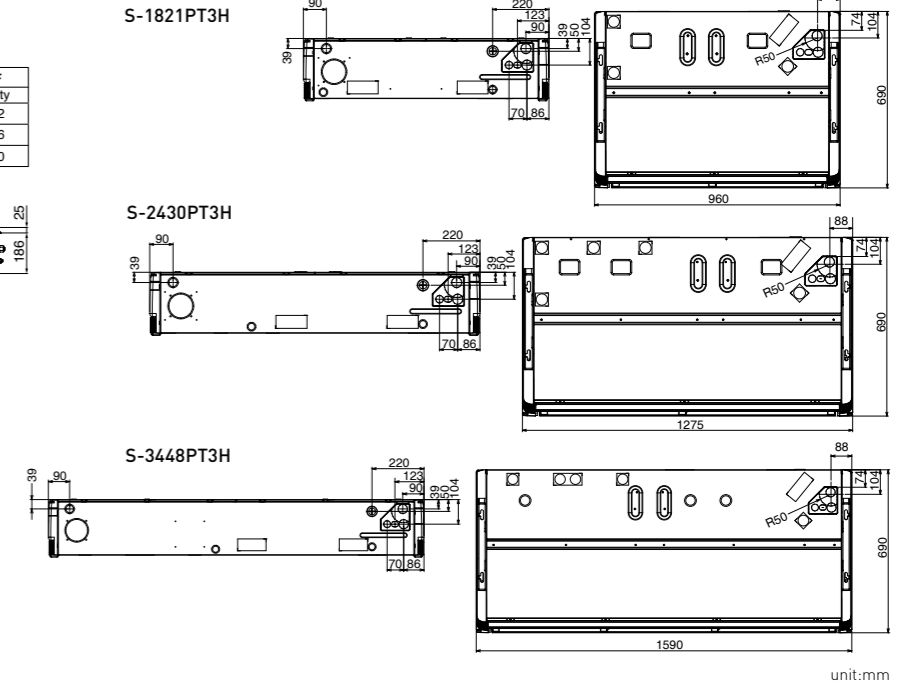
S-1821PF3H/S-2430PF3H/S-3448PF3H

Detailed dimensions of indoor unit

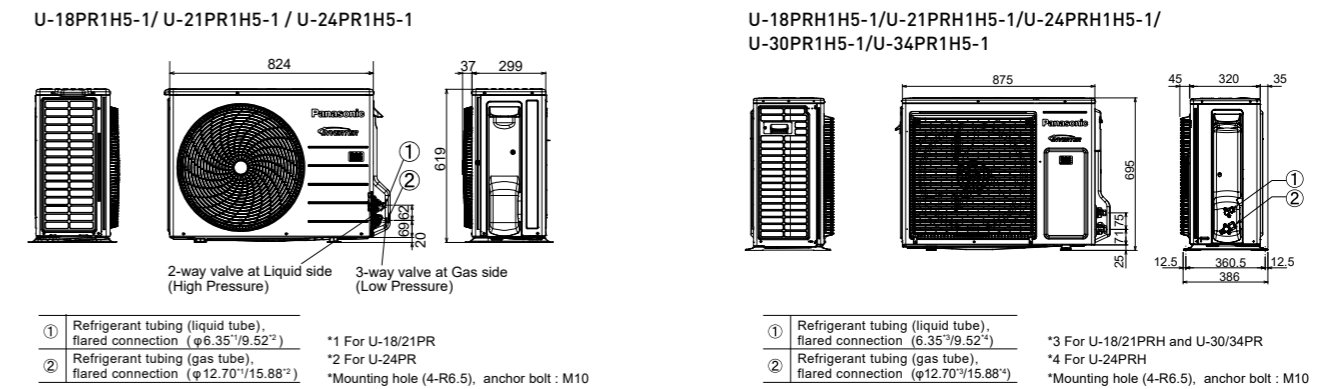
Type	A	B	C	D	E	F
	mm	mm	mm	mm	mm	Q'ty
1821	867	800	450 (Pitch 150 × 3)	71	592	12
2430	1,067	1,000	750 (Pitch 150 × 5)	21	792	16
3448	1,467	1,400	1,050 (Pitch 150 × 7)	71	1,192	20

8-ø3.2 hole For M4 self-tapping screw  
A (Suspension bolt pitch)  
F-ø3 holes  
E (Flange O.D.)

## CEILING EXPOSED **NEW** Dimensions



## OUTDOOR UNITS **NEW** Dimensions



## U-34PRH1H5-1/U-43PRH1H5-1/U-43PR1H5-1/U-43PRH1H8-1/U-43PR1H8-1 U-48PRH1H5-1/U-48PR1H5-1/U-48PRH1H8-1/U-48PR1H8-1

