



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



CONEX

INVERTER

R32
REFRIGERANT

Panasonic Air-Conditioning Vietnam



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	45,500-47,800
4-Way Cassette DELUXE nanoe™ X CONEX Generator Mark3	S-1821PU3HA		S-2430PU3HA			S-3448PU3HA*	
4-Way Cassette STANDARD nanoe™ X CONEX Generator Mark2	S-1821PU3H		S-2430PU3H			S-3448PU3H*	
Adaptive Ducted DELUXE/STANDARD nanoe™ X CONEX Generator Mark2	S-1821PF3H		S-2430PF3H			S-3448PF3H*	
Ceiling Exposed STANDARD nanoe™ X CONEX Generator Mark2	—	S-1821PT3H-8	—	S-2430PT3H-8	—	S-3448PT3H-8*	
Outdoor DELUXE INVERTER R32	U-18PRH1H5	U-21PRH1H5	U-24PRH1H5	—	U-34PRH1H5	U-43PRH1H5	U-48PRH1H5
	—	—	—	—	—	U-43PRH1H8*	U-48PRH1H8*
Outdoor STANDARD INVERTER R32	U-18PR1H5	U-21PR1H5	U-24PR1H5	U-30PR1H5	U-34PR1H5	U-43PR1H5	U-48PR1H5
	—	—	—	—	—	U-43PR1H8*	U-48PR1H8*

*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.

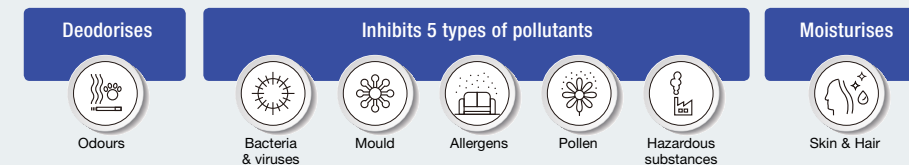


Please refer to the nanoe™ X website.



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

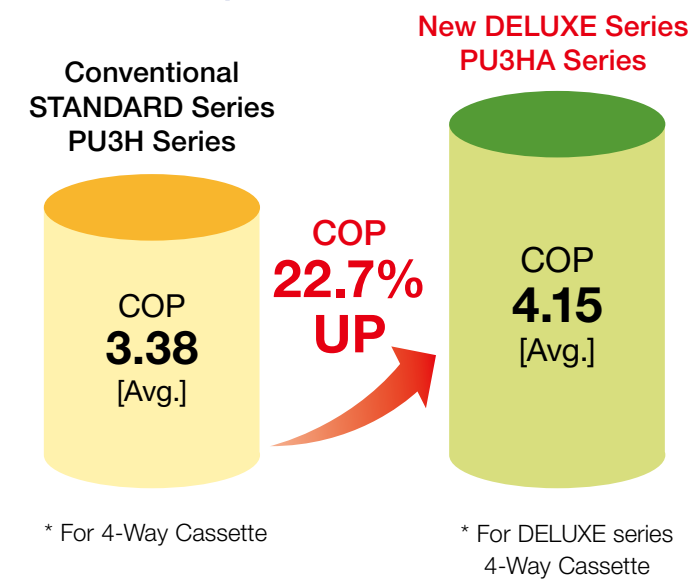
Access to the evidence page of nanoe™ X effect

NEW

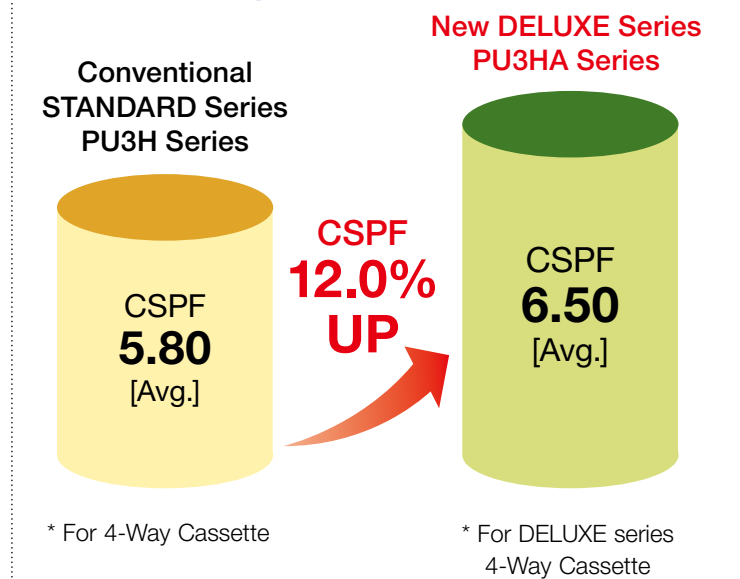
High Energy Efficiency to Save Power Consumption

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

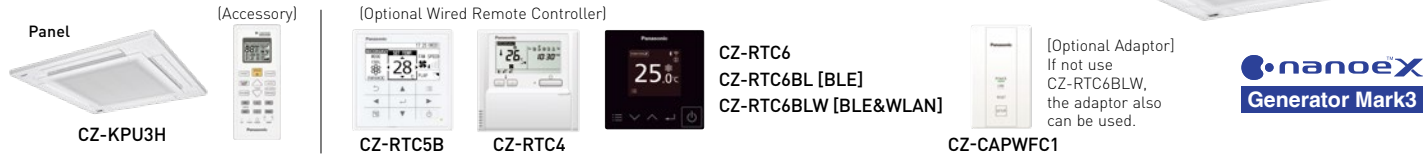


■ CSPF Comparison



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	220-240V, 10 Phase - 50Hz			380-415V, 30 Phase - 50Hz		220-240V, 10 Phase - 50Hz		
Indoor Unit		S-1821PU3HA	S-1821PU3HA	S-2430PU3HA	S-3448PU3HA	S-3448PU3HA	S-3448PU3HA	S-3448PU3HA	S-3448PU3HA
Outdoor Unit		U-18PRH1H5	U-21PRH1H5	U-24PRH1H5	U-34PRH1H5	U-43PRH1H5	U-43PRH1H8	U-48PRH1H5	U-48PRH1H8
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	4.3-4.1 [9.1]	6.0-5.6 [11.0]	7.3-6.7 [12.0]	11.6-10.6 [25.5]	16.9-15.5 [26.0]	5.6-5.1 [10.5]	20.3-18.6 [28.0]	6.7-6.1 [11.5]
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
Indoor Unit									
Air Volume	m³/min	25.0	25.0	25.0	36.4	36.4	36.4	36.4	36.4
	cfm	882	882	882	1,285	1,285	1,285	1,285	1,285
Sound Pressure Level (Hi/Lo)	dB (A)	42 / 35	42 / 35	42 / 35	47 / 41	47 / 41	47 / 41	47 / 41	47 / 41
Sound Power Level (Hi/Lo)	dB	57 / 50	57 / 50	57 / 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
Outdoor Unit									
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	67	67	67	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. * CZ-CAPWFC1 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

What's New of nanoe™ X Generator Mark 3

48 Trillion Hydroxyl Radicals Generated

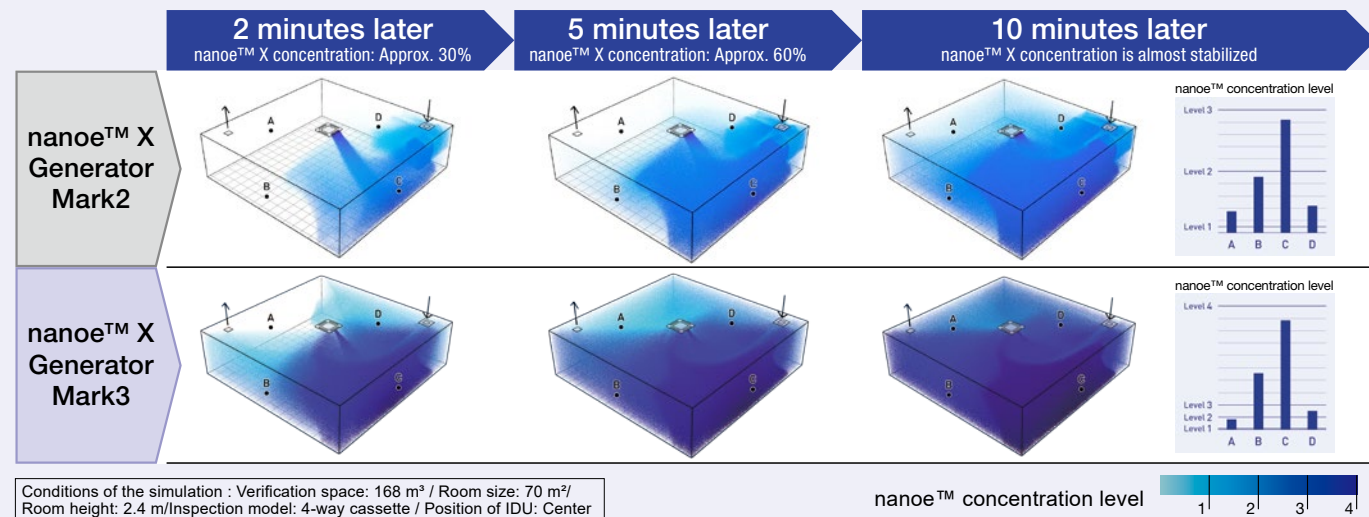
The amount of hydroxyl radicals generated increased 100 times, compared to original nanoe™.

Higher Concentration, Even in Large Spaces

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

nanoe™ X Concentration Simulation

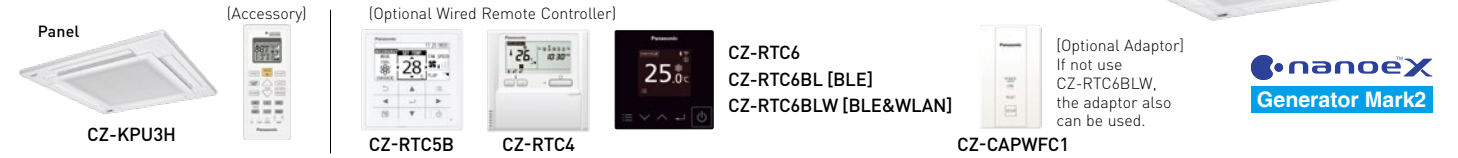
Higher concentration levels of generator mark 3 than mark 2.



* 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

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

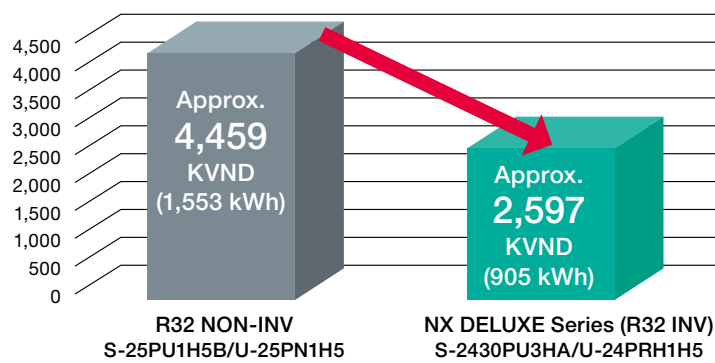
Capacity [Btu/h(Phase)]		17,100	20,500	24,200	29,000	34,100	42,700	42,700 (3)	47,800	47,800(3)
Power Source	V/Phase Hz	220-240V, 10 Phase - 50Hz			380-415V, 30 Phase - 50Hz		220-240V, 10 Phase - 50Hz			
Indoor Unit		S-1821PU3H	S-1821PU3H	S-2430PU3H	S-2430PU3H	S-3448PU3H	S-3448PU3H	S-3448PU3H	S-3448PU3H	S-3448PU3H
Outdoor Unit		U-18PR1H5	U-21PR1H5	U-24PR1H5	U-30PR1H5	U-34PR1H5	U-43PR1H5	U-43PR1H8	U-48PR1H5	U-48PR1H8
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	5.5-5.2 [9.1]	8.0-7.5 [11.0]	9.2-8.5 [12.0]	11.7-10.7 [15.5]	15.0-13.7 [16.5]	18.5-16.9 [26.0]	6.1-5.6 [10.5]	23.9-21.9 [28.0]	7.9-7.2 [11.0]
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
Indoor Unit										
Air Volume	m³/min	25.0	25.0	25.0	25.0	36.4	36.4	36.4	36.4	36.4
	cfm	882	882	882	882	1,285	1,285	1,285	1,285	1,285
Sound Pressure Level (Hi/Lo)	dB (A)	42 / 35	42 / 35	42 / 35	42 / 35	47 / 41	47 / 41	47 / 41	47 / 41	47 / 41
Sound Power Level (Hi/Lo)	dB	57 / 50	57 / 50	57 / 50	57 / 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
Outdoor Unit										
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	67	67	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]	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 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
Elevation Difference	m	20	20	20	30	30	30	30	30	30
Maximum Chargeless Length	Max m	10	10	10	30	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. * CZ-CAPWFC1 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

High COP: Save More with DELUXE Series

Comparison between R32 NON-INV (S-25PU1H5B/U-25PN1H5) and R32 INV NX DELUXE Series (S-2430PU3HA/U-24PRH1H5)

Annual energy consumption



Approx. **42%** DOWN ^{1,862 KVND}

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



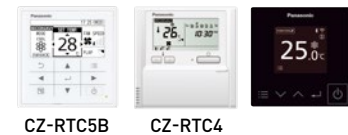
Capacity [Btu]	Annual Energy Consumption [kWh]				Saving by Year [Accumulated/KVND]							
	NX DELUXE	R32 NON-INV	Difference	%	1	2	3	4	5	6	7	8
20,500 / 19,500	655	1,161	506	44%	1,454	2,097	4,361	5,815	7,269	8,722	10,176	11,630
24,200 / 26,000	905	1,553	744	42%	1,863	3,725	5,588	7,451	9,314	11,176	13,039	14,902
34,100 / 36,000	1,174	2,064	890	43%	2,556	5,111	7,667	10,222	12,778	15,333	17,889	20,444
42,700 / 42,000	1,537	2,260	723	32%	2,075	4,150	6,225	8,300	10,375	12,450	14,525	16,600
47,800 / 48,500	1,903	3,016	1,113	37%	3,196	6,392	9,588	12,784	15,981	19,177	22,373	25,569

* Annual energy consumption is calculated based on ISO16358-1 * Operating hours: 8 hours per day x 240 days = 1,920 hours
* Electricity Bill: 2.871VND/kWh, Viet Nam electricity *Contract for Commerce - service - residential building complex * Comparison between Inverter U-PS2 series and Non-inverter U-PPV1 series

DELUXE / STANDARD ADAPTIVE DUCTED

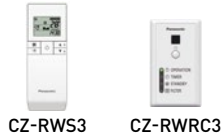
- Air intake from rear as standard. Industry-leading horizontal and vertical design.
- Powerful 150Pa ESP and space saving 250 mm height, filter included.
- Built-in Drain pump and selectable air inlet position (bottom and rear).

[Selectable Remote Controller]



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

[Optional Wireless Remote Controller]



[Optional Adaptor]



If not use CZ-RTC6BLW, the adaptor also can be used.



DELUXE

Capacity [Btu/h]		17,100	20,500	24,200	34,100	42,700	42,700(3)	47,800	47,800(3)
Power Source		220-240V, 10 Phase - 50Hz							
Indoor Unit		S-1821PF3H	S-1821PF3H	S-2430PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H
Outdoor Unit		U-18PR1H5	U-21PR1H5	U-24PR1H5	U-34PR1H5	U-43PR1H5	U-43PR1H5	U-48PR1H5	U-48PR1H5
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]	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]	42,700 [13,000-47,800]	47,800 [18,100-52,900]	47,800 [18,100-52,900]
Current: Rated (Max)	A	5.6-5.3 [9.1]	7.4-6.9 [11.0]	8.3-7.7 [12.0]	11.9-10.9 [25.5]	17.7-16.3 [26.0]	17.7-16.3 [26.0]	21.4-19.7 [28.0]	7.1-6.5 [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]	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	5.45	5.55	5.55
COP/EER	W/W	4.31	3.8	4.17	3.48	3.48	3.48	3.23	3.23
	Btu/hW	14.74	12.97	13.44	14.51	11.89	11.89	11.01	11.01
Indoor Unit									
Air Volume	m³/min	16.0	16.0	21.0	36.0	36.0	36.0	36.0	36.0
	cfm	565	565	740	1,270	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]	50 [10-150]
Sound Pressure Level (Hi/Lo)	dB [A]	35 / 29	35 / 29	35 / 29	40 / 30	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	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	250 x 1,400 x 730
Net Weight	Indoor kg	25	25	30	39	39	39	39	39
Outdoor Unit									
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	48	67	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)	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. * CZ-CAPWFC1 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

STANDARD

Capacity [Btu/h]		17,100	20,500	24,200	27,600	34,100	42,700	42,700 (3)	47,000	47,000 (3)	47,000	47,000 (3)	47,000 (3)
Power Source		220-240V, 10 Phase - 50Hz											
Indoor Unit		S-1821PF3H	S-1821PF3H	S-2430PF3H	S-2430PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H	S-3448PF3H
Outdoor Unit		U-18PR1H5	U-21PR1H5	U-24PR1H5	U-30PR1H5	U-34PR1H5	U-43PR1H5	U-43PR1H5	U-48PR1H5	U-48PR1H5	U-48PR1H5	U-48PR1H5	U-48PR1H5
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]	13.77 [3.80-14.20]	13.77 [3.80-14.20]	13.77 [3.80-14.20]	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]	47,000 [13,000-48,500]	47,000 [13,000-48,500]	47,000 [13,000-48,500]	47,000 [13,000-48,500]
Current: Rated (Max)	A	7.2-6.8 [9.1]	9.1-8.6 [11.0]	10.5-9.7 [12.0]	12.1-11.1 [15.5]	14.5-13.3 [16.5]	19.6-17.9 [26.0]	6.5-5.9 [10.5]	23.6-21.6 [28.0]	7.8-7.1 [11.0]			
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]	4.77 [0.65-4.95]			
CSPF		5.02	4.65	5.21	5.21	4.74	5.02	5.02	4.74	4.74			
COP/EER	W/W	3.25	3.08	3.13	3.12	3.21	3.16	3.16	2.89	2.89			
	Btu/hW	11.10	10.51	10.66	10.62	10.93	10.78	10.78	9.85	9.85			
Indoor Unit													
Air Volume	m³/min	16.0	16.0	21.0	21.0	36.0	36.0	36.0	36.0	36.0			
	cfm	565	565	740	740	1,270	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]	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	40 / 30			
Sound Power Level (Hi/Lo)	dB	58 / 52	58 / 52	58 / 52	58 / 52	63 / 53	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 1,000 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730			
Net Weight	Indoor kg	25	25	30	30	39	39	39	39	39			
Outdoor Unit													
Sound Pressure Level	dB [A]	50	51	51	53	55	57	57	58	58			
Sound Power Level	dB	69	70	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	67	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 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50			
Elevation Difference	m	20	20	20	30	30	30	30	30	30			
Maximum Chargeless Length	Max m	10	10	10	30	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			

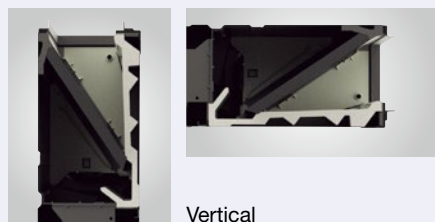
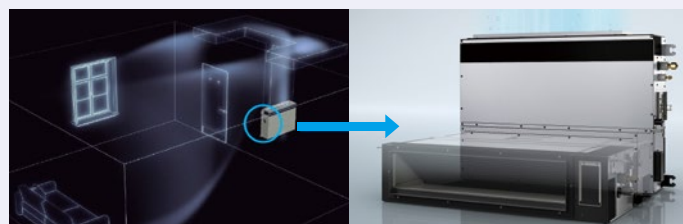
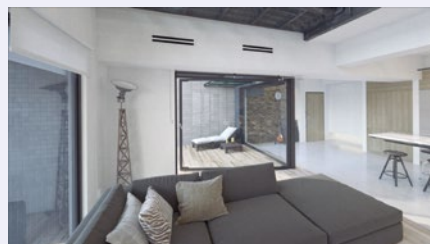
* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. * STANDARD series indoor units can only be connected to outdoor units of the same series. * CZ-CAPWFC1 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

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

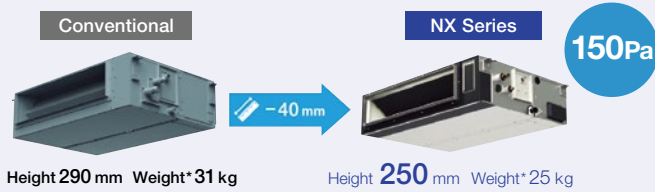
Vertical

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* 25 kg

Note: In the case of 5.0kW and 6.0kW.

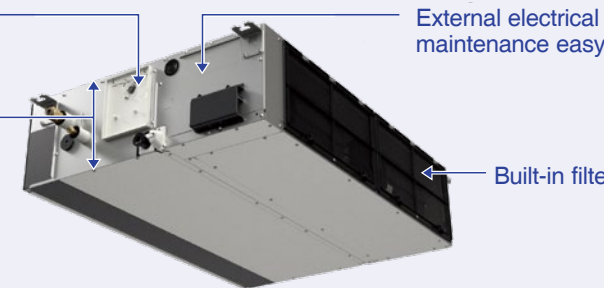
Technical Focus

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.



Built-in filter

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.

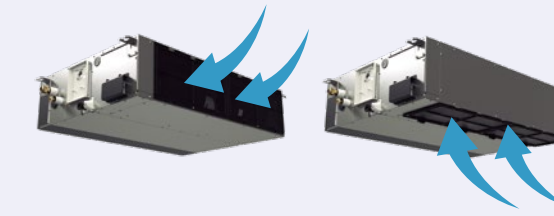


Bend once Bend twice Bend three times

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.



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

CZ-RTC5B CZ-RTC4 CZ-CAPWFC1

STANDARD

Specifications of R32 STANDARD Series **R32**

Capacity (Btu/h)	20,500	29,000	42,700	42,700 [3]	45,500	45,500[3]
Power Source	220V, 10 Phase - 50Hz		380V, 30 Phase - 50Hz		220V, 10 Phase - 50Hz	
Indoor Unit	S-1821PT3H-8	S-2430PT3H-8	S-3448PT3H-8	S-3448PT3H-8	S-3448PT3H-8	S-3448PT3H-8
Outdoor Unit	U-21PR1H5	U-30PR1H5	U-43PR1H5	U-43PR1H5	U-48PR1H5	U-48PR1H5
Cooling Capacity: Rated (Min-Max)	6.00 [2.00-6.30]	8.50 [2.00-9.60]	12.50 [3.80-13.54]	12.50 [3.80-13.54]	13.33 [3.80-14.00]	13.33 [3.80-14.00]
Current: Rated (Max)	9.3 [11.0]	13.1 [15.5]	20.3 [26.0]	20.3 [26.0]	22.2 [28.0]	22.2 [28.0]
Power Input: Rated (Min-Max)	1.98 [0.39-2.25]	2.83 [0.29-3.31]	4.10 [0.68-4.50]	4.10 [0.68-4.50]	4.50 [0.68-4.80]	4.50 [0.68-4.80]
CSPF	5.62	5.66	5.08	5.08	4.98	4.98
COP/EER	3.03	3.00	3.05	3.05	2.96	2.96
Indoor Unit						
Air Volume	15.0	21.0	35.0	35.0	35.0	35.0
Sound Pressure Level (Hi/Lo)	38 / 29	40 / 32	46 / 38	46 / 38	46 / 38	46 / 38
Sound Power Level (Hi/Lo)	56 / 47	58 / 50	64 / 56	64 / 56	64 / 56	64 / 56
Dimension	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
Net Weight	26	34	40	40	40	40
Outdoor Unit						
Sound Pressure Level	51	54	57	57	58	58
Sound Power Level	70	73	76	76	77	77
Dimension	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
Net Weight	29	39	68	67	68	67
Piping Connection	12.70 [1/2]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]
Pipe Length	5 - 30	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
Elevation Difference	20	30	30	30	30	30
Maximum Chargeless Length	10	30	30	30	30	30
Additional Gas	15	25	25	25	25	25
Operation Range, Outdoor	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. STANDARD * CZ-CAPWFC1 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

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.

Large Diagonal Air Flow Fan
Optimisation of the shape of the casing and fan assures bigger air flow and higher efficiency.

Fan diameter ϕ 147.5

Ceiling height 4.3m^{*1}

Air flow distance 13m^{*1}

^{*1} Results are based on specific testing conditions.

NX Series Remote Controller Information

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

Wireless Remote Controller

* For 4-Way Cassette & Ceiling Exposed



Wired Remote Controller



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.



Please refer to the CONEX website.



New CONEX Control

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

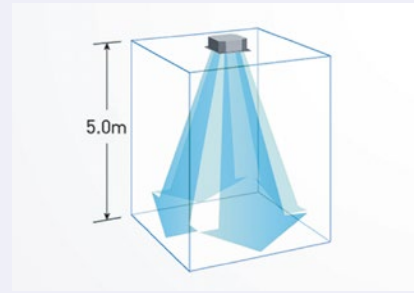
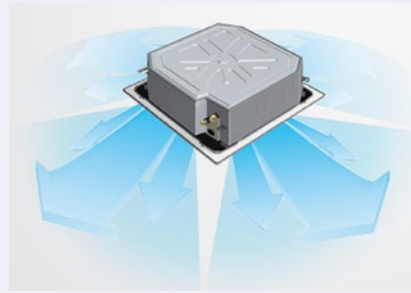


- Comfort Cloud-End User**
High level control and energy monitoring via WLAN and cloud giving access from anywhere anytime.
- H&C Control App-End User & Installer**
H&C Control App makes complex initial set-up easy and allows installers to respond swiftly to clients' requests via Bluetooth.
- H&C Diagnosis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

Advantages of New 4-Way Cassette

Compact, Modern & Flat Panel Design

Featuring uniform cooling, easy installation, and with a sleek exterior, this unit is the perfect match for all commercial applications.



Powerful Airflow

Thanks to its compact design the Twisted 3D Blade Fan increases airflow.

360° Comfortable Airflow

Air coming out of the center of the discharge outlets travels farther. Air is discharged across a wide area from the four sides of the unit.

Wide Flap

A wider main flap and sub flap reduce turbulence and increase airflow. Also, a wider angle jetting port allows airflow to reach as far as five meters.

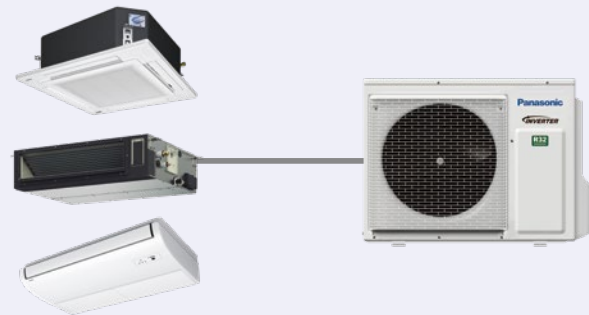
* 4-Way Cassette : 3443PU type

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.

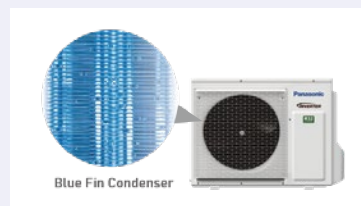


Long Piping Length



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.

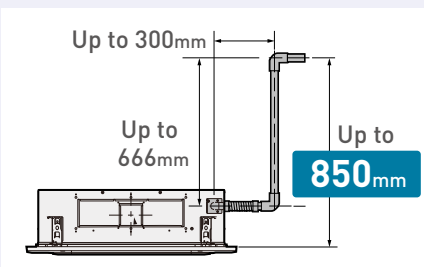


In-house manufactured compressor

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)

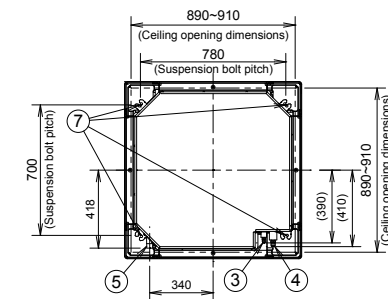
Installation Instruction



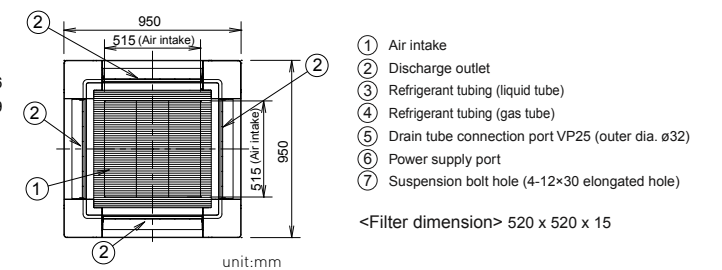
A strong and quiet drain pump

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



- A S-1821PU3HA/S-1821PU3H/S-2430PU3HA/S-2430PU3H
- B S-3448PU3HA/S-3448PU3H



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

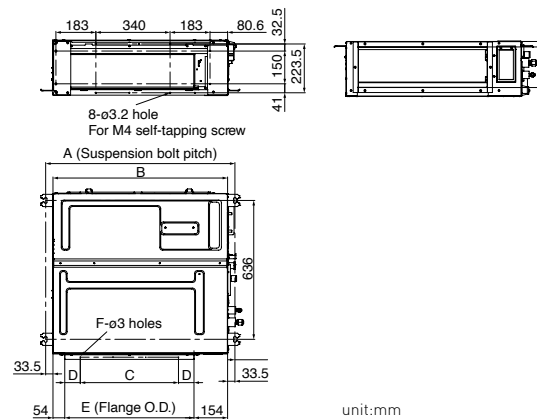
<Filter dimension> 520 x 520 x 15

ADAPTIVE DUCTED NEW Dimensions

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

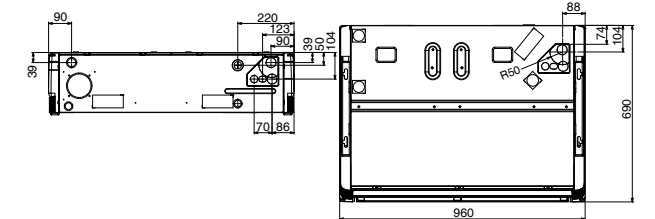
Detailed dimensions of indoor unit

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

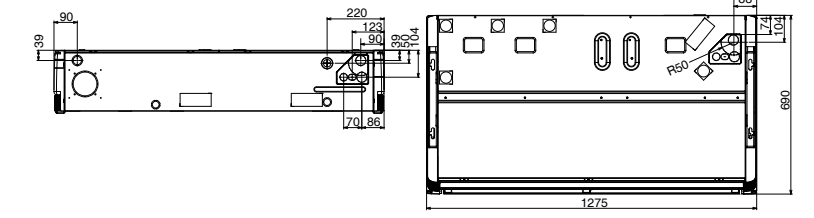


CEILING EXPOSED NEW Dimensions

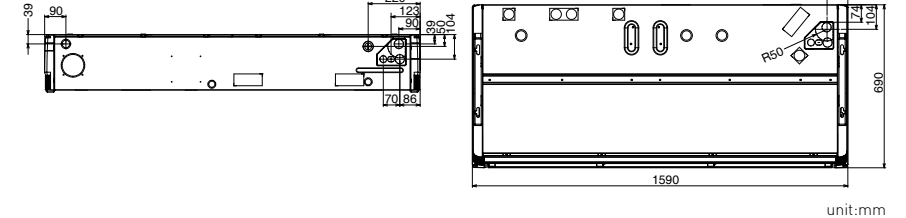
S-1821PT3H-8



S-2430PT3H-8

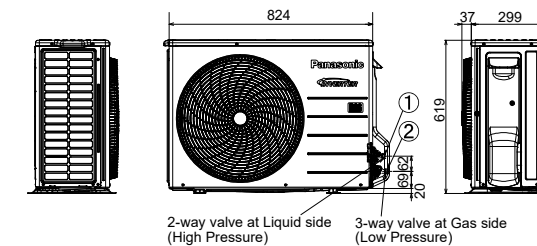


S-3448PT3H-8



OUTDOOR UNITS NEW Dimensions

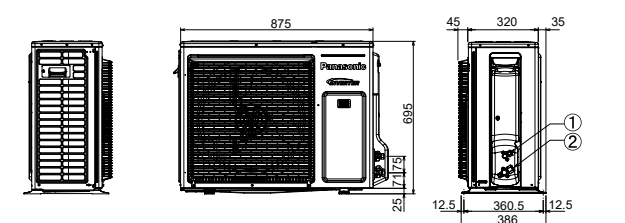
U-18PR1H5/U-21PR1H5/U-24PR1H5



- ① Refrigerant tubing (liquid tube), flared connection (φ6.35"/9.52")
- ② Refrigerant tubing (gas tube), flared connection (φ12.70"/15.88")

- *1 For U-18/21PR
- *2 For U-24PR
- *Mounting hole (4-R6.5), anchor bolt : M10

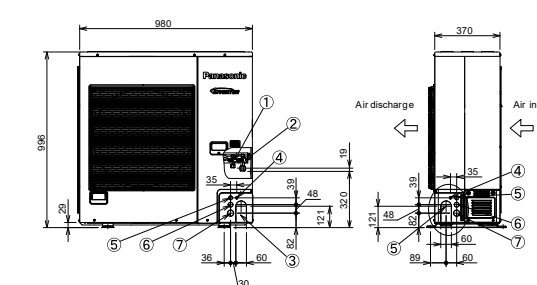
U-18PRH1H5/U-21PRH1H5/U-24PRH1H5/U-30PR1H5/U-34PR1H5



- ① Refrigerant tubing (liquid tube), flared connection (6.35"/9.52")
- ② Refrigerant tubing (gas tube), flared connection (φ12.70"/15.88")

- *3 For U-18/21PRH
- *4 For U-24PRH and U-30/34PR
- *Mounting hole (4-R6.5), anchor bolt : M10

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



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

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

unit:mm