



Product information



Technical documents
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PACKAGED AIR CONDITIONERS NX SERIES DELUXE/STANDARD 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 Customer Care Center

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 SMS (Text only): TYPE Panasonic<space>message and send to Globe/
 TM subscribers: 21584703 SMART, SUN, TNT subscribers: 225654703
 Fax: (02)8-706-7612
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QUALITY AIR FOR LIFE

NX Series Product Lineup

- 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 Generator Mark3 CONEX	S-18PU3QA	S-21PU3QA	S-24PU3QA	—	S-34PU3QA	S-43PU3QA	S-48PU3QA
						S-3448PU3QA**	
4-Way Cassette STANDARD nanoe™ X Generator Mark2 CONEX	S-18PU3Q	S-21PU3Q	S-24PU3Q	S-30PU3Q	S-34PU3Q	S-43PU3Q	S-48PU3Q
						S-3448PU3Q**	
Adaptive Ducted DELUXE/STANDARD nanoe™ X Generator Mark2 CONEX	S-1821PF3Q		S-2430PF3Q		S-3448PF3Q		
Ceiling Exposed DELUXE nanoe™ X Generator Mark2 CONEX	S-18PT3QA	S-21PT3QA	S-24PT3QA	—	S-34PT3QA	S-43PT3QA	S-48PT3QA
						S-3448PT3QA**	
Ceiling Exposed STANDARD nanoe™ X Generator Mark2 CONEX	S-18PT3Q	S-21PT3Q	S-24PT3Q	S-30PT3Q	S-34PT3Q	S-43PT3Q	S-48PT3Q
						S-3448PT3Q**	
Outdoor DELUXE INVERTER R32	U-18PRH1Q6	U-21PRH1Q6	U-24PRH1Q6	—	U-34PRH1Q6	U-43PRH1Q6	U-48PRH1Q6
	—	—	—	—	—	U-43PRH1Q9**	U-48PRH1Q9**
Outdoor STANDARD INVERTER R32	U-18PR1Q6	U-21PR1Q6	U-24PR1Q6	U-30PR1Q6	U-34PR1Q6	U-43PR1Q6	U-48PR1Q6
	—	—	—	—	—	U-43PR1Q9**	U-48PR1Q9**

* Black models are also available. ** 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

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.

Deodorises

Odours

Inhibits 5 types of pollutants

Bacteria & viruses
Mould
Allergens
Pollen
Hazardous substances

Moisturises

Skin & Hair



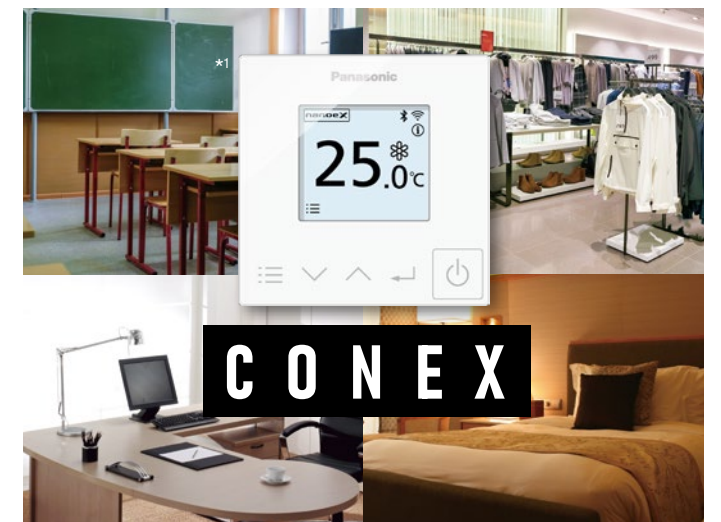
nanoe™ X Effectiveness Proven in Large Space
Access to the evidence page of nanoe™ X effect

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.

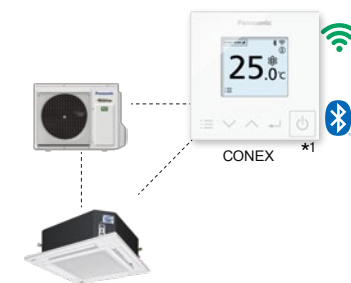


Please refer to the CONEX website.



CONEX Control

New smart design/colour 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.



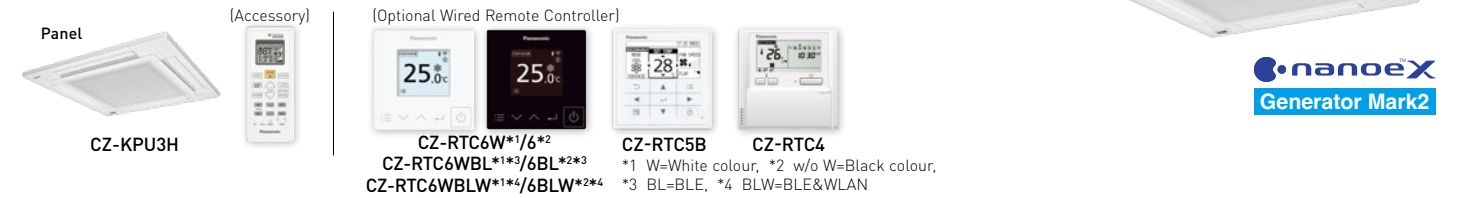
DELUXE

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 - 60Hz			400V, 3Ø Phase - 60Hz		400V, 3Ø Phase - 60Hz		
Indoor Unit		S-18PU30A	S-21PU30A	S-24PU30A	S-34PU30A	S-43PU30A	S-3448PU30A	S-48PU30A	S-3448PU30A
Outdoor Unit		U-18PRH106	U-21PRH106	U-24PRH106	U-34PRH106	U-43PRH106	U-43PRH109	U-48PRH106	U-48PRH109
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]	5.3 [10.5]	19.4 [28.0]	6.4 [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 (A)	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 (A)	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 - 60Hz			400V, 3Ø Phase - 60Hz		400V, 3Ø Phase - 60Hz			
Indoor Unit		S-18PU30Q	S-21PU30Q	S-24PU30Q	S-30PU30Q	S-34PU30Q	S-43PU30Q	S-3448PU30Q	S-48PU30Q	S-3448PU30Q
Outdoor Unit		U-18PR106	U-21PR106	U-24PR106	U-30PR106	U-34PR106	U-43PR106	U-43PR109	U-48PR106	U-48PR109
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 [3.90-14.71]	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 [17,170-34,100]	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	5.21(9.1)	7.71(11.0)	8.81(12.0)	11.21(15.5)	14.31(16.5)	17.71(26.0)	5.81(10.5)	22.81(28.0)	7.51(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 (A)	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 (A)	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	68	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	30	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	25	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 nanoe™ X Generator Mark 3

48 Trillion Hydroxyl Radicals Generated

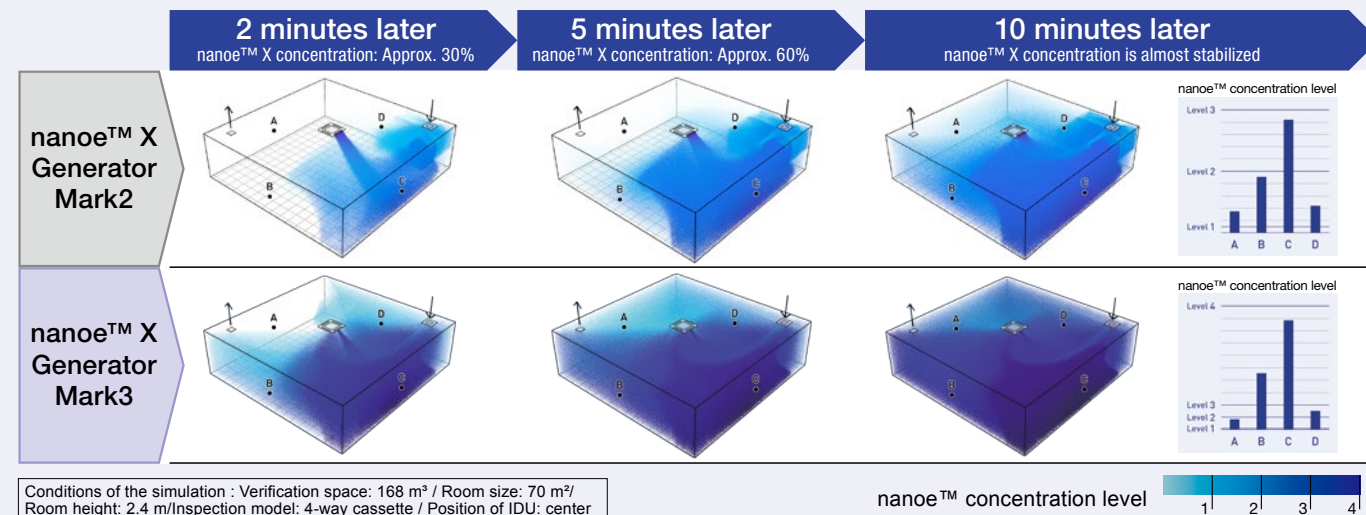
The amount of hydroxyl radicals generated increased 100 times, compared to original nanoe™.

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.



Advantages of 4-way Cassette

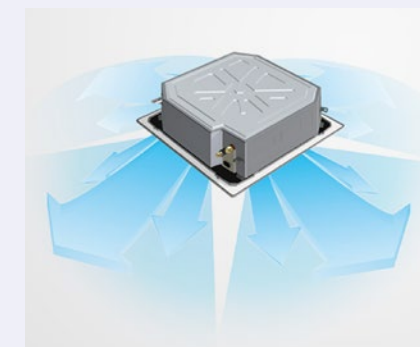
Compact, Modern & Flat Panel Design

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



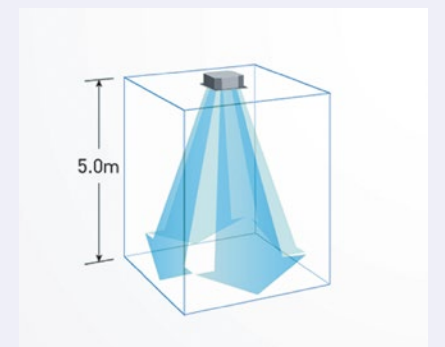
Powerful Airflow

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 : 3448PU type

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-RTC6W*1/6*2
CZ-RTC6WBL*1*3/6BL*2*3
CZ-RTC6WBL*1*4/6BLW*2*4
CZ-RTC5B
CZ-RTC4
*1 W=White colour, *2 w/o W=Black colour,
*3 BL=BLE, *4 BLW=BLE&WLAN



nanoeX
Generator Mark2

DELUXE

Specifications of R32 DELUXE Series **R32**

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 - 60Hz					
Indoor Unit	S-1821PF30	S-1821PF30	S-2430PF30	S-3448PF30	S-3448PF30	S-3448PF30	S-3448PF30	S-3448PF30
Outdoor Unit	U-18PR106	U-21PR106	U-24PR106	U-34PR106	U-43PR109	U-43PR109	U-48PR106	U-48PR109
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]	5.6 [10.5]	20.5 [28.0]
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	4.17	3.48	3.48	3.23	3.23
	Btu/hW	14.74	12.97	13.44	14.21	11.89	11.01	11.01
Indoor Unit								
Air Volume	m ³ /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 (A)	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
Outdoor Unit								
Sound Pressure Level	dB (A)	50	51	53	54	57	58	58
Sound Power Level	dB (A)	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	69	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
Maximum Chargeless Length	Max	m	30	30	30	30	30	30
Additional Gas		g/m	15	15	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.

STANDARD

Specifications of R32 STANDARD Series **R32**

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, 1Ø Phase - 60Hz						
Indoor Unit	S-1821PF30	S-1821PF30	S-2430PF30	S-2430PF30	S-3448PF30	S-3448PF30	S-3448PF30	S-3448PF30	S-3448PF30
Outdoor Unit	U-18PR106	U-21PR106	U-24PR106	U-30PR106	U-34PR106	U-43PR109	U-48PR106	U-48PR109	U-48PR109
Cooling Capacity: Rated (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 (Min-Max)	A	6.9 [9.1]	8.7 [11.0]	10.1 [12.0]	11.5 [15.5]	13.8 [16.5]	18.7 [26.0]	18.7 [26.0]	22.5 [28.0]
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	4.74
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
Indoor Unit									
Air Volume	m ³ /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 (A)	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
Outdoor Unit									
Sound Pressure Level	dB (A)	50	51	51	53	55	57	58	58
Sound Power Level	dB (A)	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
Maximum Chargeless Length	Max	m	10	10	10	30	30	30	30
Additional Gas		g/m	15	15	15	25	25	25	25
Operation Range, Outdoor	Min-Max	°C	16-46	16-46	16-46	16-46	16-46	16-46	16-46

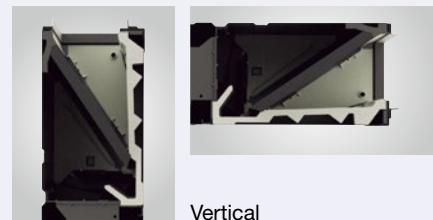
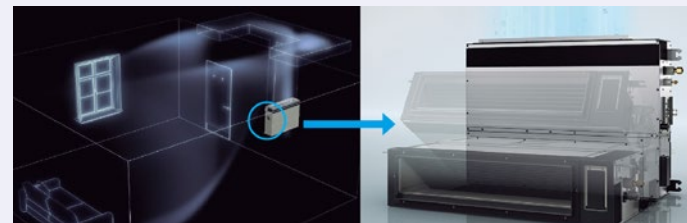
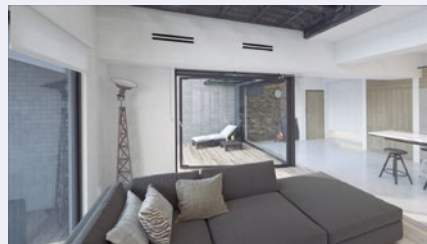
* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. * STANDARD series indoor units can only be connected to outdoor units of the same series.

Flexible Installation Adaptive Ducted

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



Horizontal

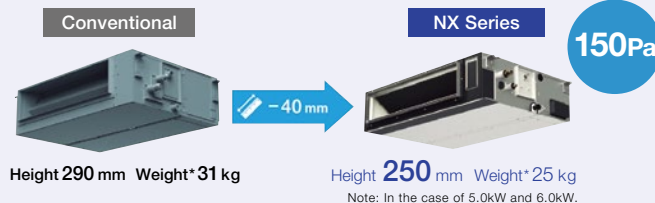
Vertical

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.

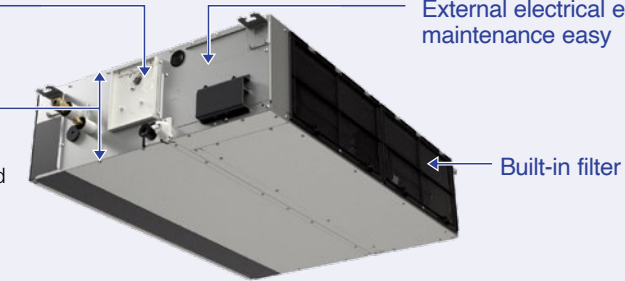
Technical Focus

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 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.

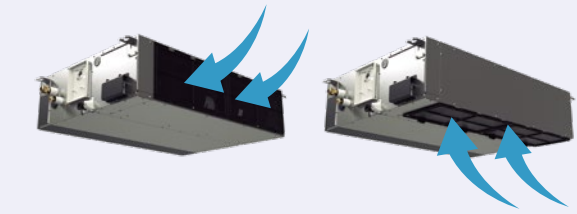


Bend once Bend twice Bend three times

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

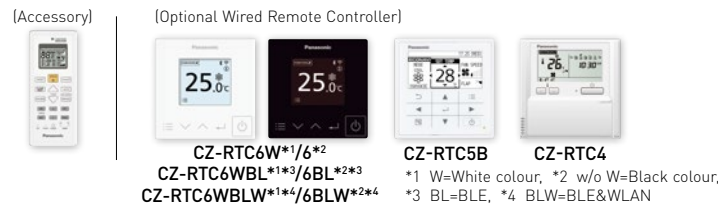
Selectable air inlet position

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



nanoeX
Generator Mark2

DELUXE

Specifications of R32 DELUXE Series **R32**

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 - 60Hz		230V, 1Ø Phase - 60Hz		400V, 3Ø Phase - 60Hz		400V, 3Ø Phase - 60Hz	
Indoor Unit	S-18PT30A	S-21PT30A	S-24PT30A	S-34PT30A	S-43PT30A	S-3448PT30A	S-48PT30A	S-3448PT30A
Outdoor Unit	U-18PRH106	U-21PRH106	U-24PRH106	U-34PRH106	U-43PRH106	U-43PRH109	U-48PRH106	U-48PRH109
Cooling Capacity: Rated (Min-Max)	5.00 [1.80-6.00]	6.00 [1.80-6.30]	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]
Current: Rated (Max)	4.9 [9.1]	6.5 [11.0]	7.5 [12.0]	11.7 [25.5]	17.7 [26.0]	5.8 [10.5]	20.0 [28.0]	6.6 [11.5]
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]	3.75 [0.68-4.40]	3.75 [0.68-4.40]	4.24 [0.94-5.00]	4.24 [0.94-5.00]
CSPF	7.20	6.70	6.85	6.05	5.50	5.50	5.40	5.40
COP/EER	4.63	4.17	4.18	4.05	3.33	3.33	3.30	3.30
	W/W	W/W	W/W	W/W	W/W	W/W	W/W	W/W
	Btu/hW	Btu/hW	Btu/hW	Btu/hW	Btu/hW	Btu/hW	Btu/hW	Btu/hW
Indoor Unit								
Air Volume	m ³ /min	15.0	15.0	21.0	35.0	35.0	35.0	35.0
	cfm	530	530	740	1,235	1,235	1,235	1,235
Sound Pressure Level (Hi/Lo)	dB (A)	38 / 29	38 / 29	40 / 32	46 / 38	46 / 38	46 / 38	46 / 38
Sound Power Level (Hi/Lo)	dB (A)	56 / 47	56 / 47	58 / 50	64 / 56	64 / 56	64 / 56	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	235 x 1,590 x 690	235 x 1,590 x 690
Net Weight	Indoor	kg	26	26	34	40	40	40
Outdoor Unit								
Sound Pressure Level	dB (A)	50	51	53	54	57	58	58
Sound Power Level	dB (A)	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	69	67	73	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)
	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
Maximum Chargeless Length	Max	m	30	30	30	30	30	30
Additional Gas		g/m	15	15	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.

STANDARD

Specifications of R32 STANDARD Series **R32**

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 - 60Hz				230V, 1Ø Phase - 60Hz		400V, 3Ø Phase - 60Hz		400V, 3Ø Phase - 60Hz	
Indoor Unit	S-18PT30	S-21PT30	S-24PT30	S-30PT30	S-34PT30	S-43PT30	S-3448PT30	S-48PT30	S-3448PT30	
Outdoor Unit	U-18PR106	U-21PR106	U-24PR106	U-30PR106	U-34PR106	U-43PR106	U-43PR109	U-48PR106	U-48PR109	
Cooling Capacity: Rated (Min-Max)	5.00 [2.00-5.60]	6.00 [2.00-6.30]	7.10 [2.00-7.80]	8.50 [2.00-9.60]	10.00 [3.20-11.20]	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)	6.0 [9.1]	8.6 [11.0]	9.3 [12.0]	12.2 [15.5]	14.9 [16.5]	19.4 [26.0]	6.4 [10.5]	21.3 [28.0]	7.0 [11.0]	
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]	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	6.18	5.65	5.51	5.86	5.04	5.08	5.08	4.98	4.98	
COP/EER	3.76	3.13	3.38	3.09	2.98	3.05	3.05	2.96	2.96	
	W/W	W/W	W/W	W/W	W/W	W/W	W/W	W/W	W/W	
	Btu/hW	Btu/hW	Btu/hW	Btu/hW	Btu/hW	Btu/hW	Btu/hW	Btu/hW	Btu/hW	
Indoor Unit										
Air Volume	m ³ /min	15.0	15.0	21.0	21.0	35.0	35.0	35.0	35.0	
	cfm	530	530	740	740	1,235	1,235	1,235	1,235	
Sound Pressure Level (Hi/Lo)	dB (A)	38 / 29	38 / 29	40 / 32	40 / 32	46 / 38	46 / 38	46 / 38	46 / 38	
Sound Power Level (Hi/Lo)	dB (A)	56 / 47	56 / 47	58 / 50	58 / 50	64 / 56	64 / 56	64 / 56	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	235 x 1,590 x 690	235 x 1,590 x 690	235 x 1,590 x 690	
Net Weight	Indoor	kg	26	26	34	40	40	40	40	
Outdoor Unit										
Sound Pressure Level	dB (A)	50	51	51	53	55	57	58	58	
Sound Power Level	dB (A)	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	
Maximum Chargeless Length	Max	m	10	10	10	30	30	30	30	
Additional Gas		g/m	15	15	15	25	25	25	25	
Operation Range, Outdoor	Min-Max	°C	16-46	16-46	16-46	16-46	16-46	16-46	16-46	

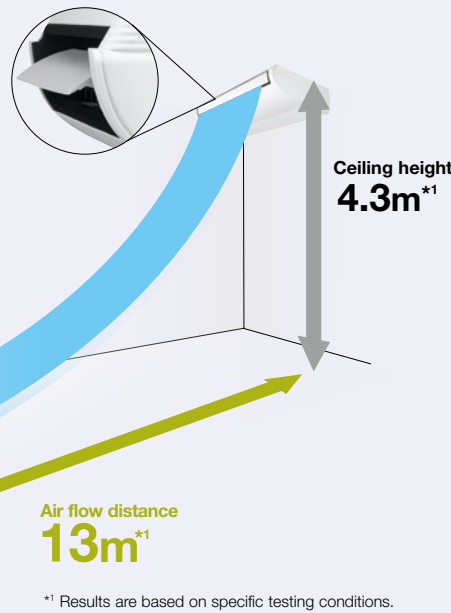
* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. * STANDARD series indoor units can only be connected to outdoor units of the same series.

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.



NX Series Remote Controller Information

		Compatibility Table		
		CZ-RTC6WBLW*1*2 Built-in BLE & WLAN	CZ-RTC6WBL*1*3 Built-in BLE	CZ-RTC6W*1
CONEX Type				
App		○	○	—
		○	○	—
		○	—	—

Wireless Remote Controller

* For 4-Way Cassette & Ceiling Exposed



Wired Remote Controller



*1 W=White color, *2 BLW=BLE&WLAN, *3 BL=BLE,
*4 Black models are also available. *5 w/o W=Black color,

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.

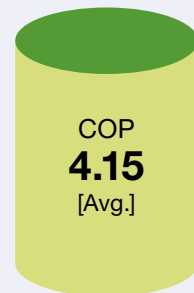
COP Comparison

Conventional
STANDARD Series
PU3Q Series



COP
22.7% UP

DELUXE Series
PU3QA Series



* For 4-Way Cassette

* For DELUXE series
4-Way Cassette

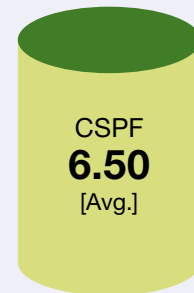
CSPF Comparison

Conventional
STANDARD Series
PU3Q Series



CSPF
12.0% UP

DELUXE Series
PU3QA Series

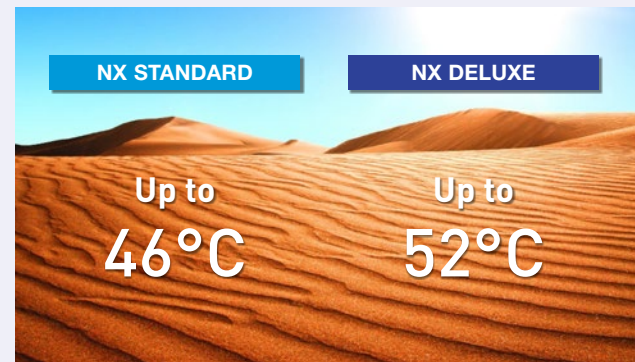


* For 4-Way Cassette

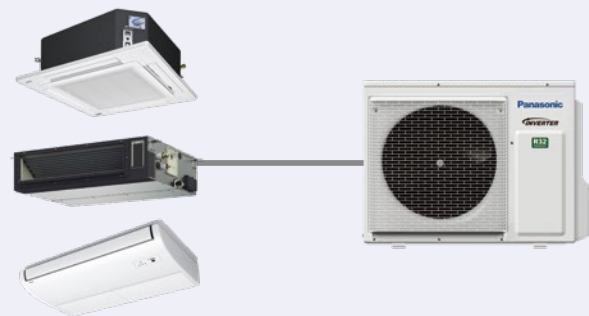
* For DELUXE series
4-Way Cassette

Operation Temperature

The operating range of the 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.

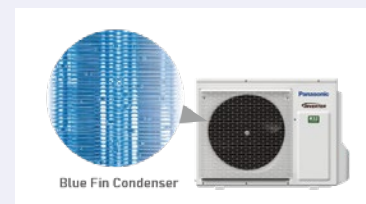


Long Piping Length



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.

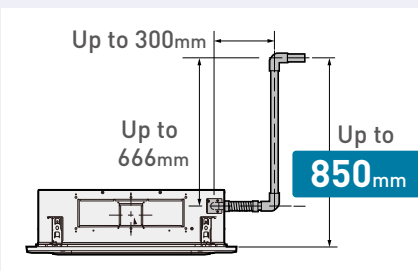


In-house manufactured compressor

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)

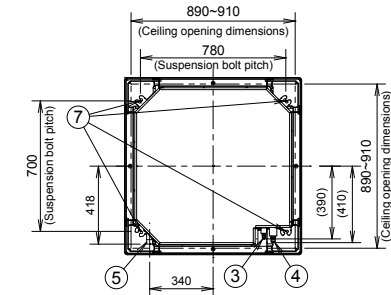
Installation Instruction



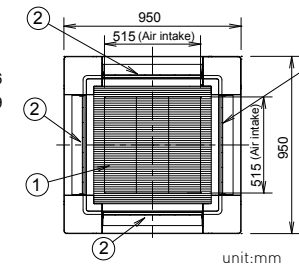
A strong and quiet drain pump

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 Dimensions



- Ⓐ S-18PU3QA/S-18PU3Q/S-21PU3QA/S-21PU3Q/S-24PU3QA/S-24PU3Q
- Ⓑ S-30PU3Q/S-34PU3QA/S-34PU3Q/S-43PU3QA/S-43PU3Q/S-48PU3QA/S-48PU3Q/S-3448PU3QA
- S-3448PU3Q



- 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 (4-12x30 elongated hole)

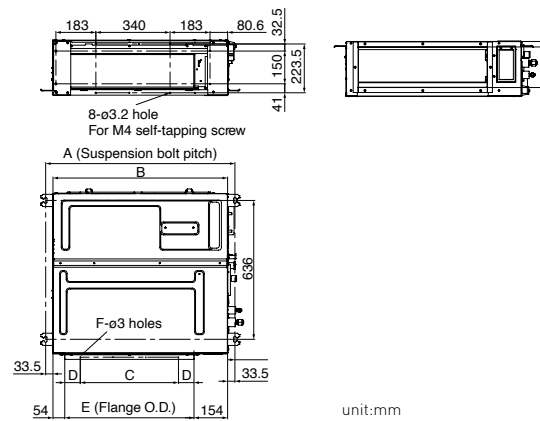
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ADAPTIVE DUCTED Dimensions

S-1821PF3Q/S-2430PF3Q/S-3448PF3Q

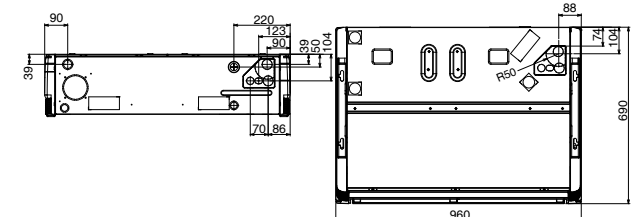
Detailed dimensions of indoor unit

Type	A	B	C	D	E	F
	mm	mm	mm	mm	mm	Q'ty
1821	867	800	450 (Pitch 150 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

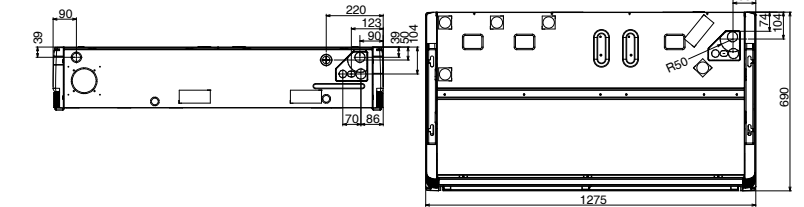


CEILING EXPOSED Dimensions

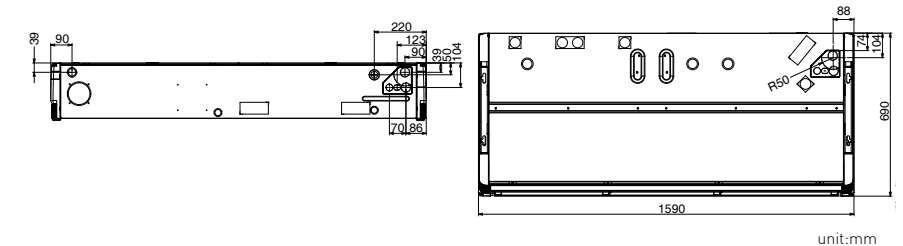
S-18PT3QA/S-18PT3Q
S-21PT3QA/S-21PT3Q



S-24PT3QA/S-24PT3Q/S-30PT3Q

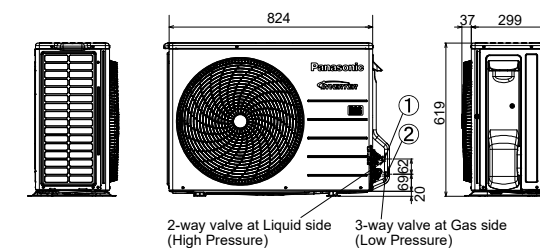


S-34PT3QA/S-34PT3Q/S-43PT3QA/S-43PT3Q/S-48PT3QA/S-48PT3Q/S-3448PT3QA/S-3448PT3Q



OUTDOOR UNITS Dimensions

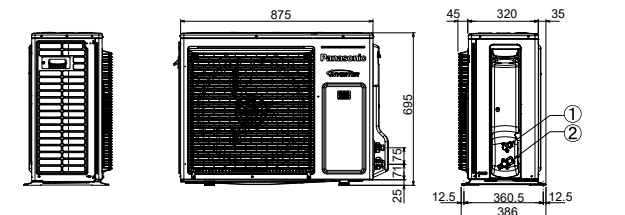
U-18PR1Q6/U-21PR1Q6/U-24PR1Q6



- 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

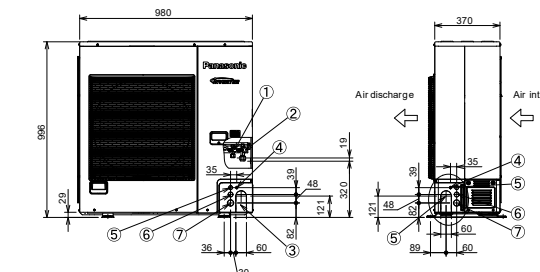
U-18PRH1Q6/U-21PRH1Q6/U-24PRH1Q6/U-30PR1Q6/U-34PR1Q6



- 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-34PRH1Q6/U-43PRH1Q6/U-43PR1Q6/U-43PRH1Q9/U-43PR1Q9/U-48PRH1Q6
U-48PR1Q6/U-48PRH1Q9/U-48PR1Q9



- 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